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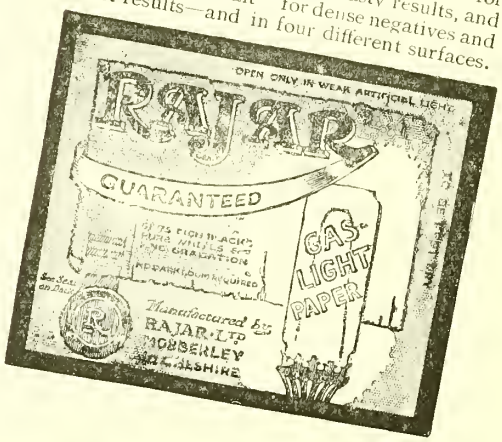

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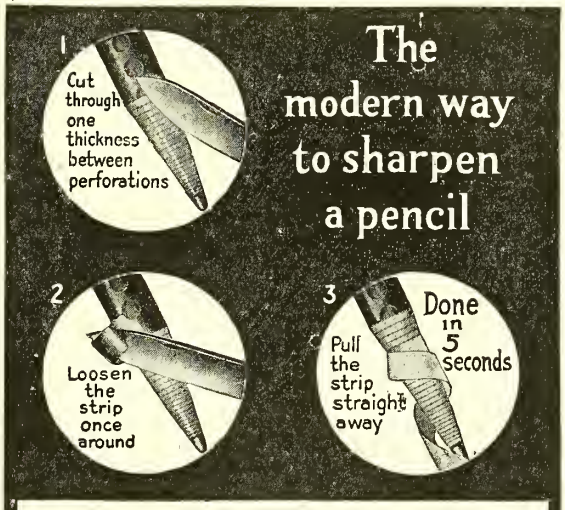

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THE BUYERS' GUIDE.

In this section, under appropriate headings, are given the names of firms advertising in this or other issues of the month. No charge is made to advertisers for the insertion of their names, but only those who have contracts current for advertising in this journal are mentioned. The headings refer generally to the **classes of goods** actually advertised, but this is **not** a detailed Guide such as appears in "The Chemist and Druggist Diary." Inquiries addressed to the "Information Department," THE CHEMIST AND DRUGGIST, 42 Cannon Street, London, E.C., regarding articles not appearing in these pages receive prompt attention, as shown weekly in the editorial pages.

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McKesson & Robbins
Maw, S., Son & Sons
Parke, Davis & Co.
Sangers
Standard Tablet & Pill Co., Ld
Woolley, J., Sons & Co., Ltd.

Developers (Photo.)
Evans Sons Lescher & Webb
Express Developing Co.

Dextrin
Fink, F., & Co.

Diabetic Foods
Brusson Jeune

Digestive Products
Armour & Co., Ltd.
Digestive Ferments Co.
Fairchild Bros. & Foster
Parke, Davis & Co.
Stearns, Fredk., & Co.

Disinfectants
Baiss Bros. & Stevenson, Ltd
Burgoyne, Burbidges & Co.
Burt, Boulton & Haywood, Ld
Celtol Supply Agency
Cook, E., & Co., Ltd.
Harker, Stagg & Morgan, Ltd.
Jeyes' Sanitary Compds. Ltd
Sanitas Co., Ltd
Standardised Disinfectants Co., Ltd.
Stevenson, H. E., & Co.
Willows, Francis, B. & T., Ltd.
Wright, Layman & Umney, Ld.

Druggists' Sundries
Ayrton, Saunders & Co., Ltd.
Baiss Bros. & Stevenson, Ltd.
Berton, Arthur, Ltd.
Burge, Warren & Ridgley, Ld.
Burgoyne, Burbidges & Co.
Bush, H. W., & Co., Ltd.
Chemists' Sundries, Ltd.
EvansSonsLescher&Webb, Ld
Hovenden, R., & Sons, Ltd.
Lengcroft, H. M.
Maw, S., Son & Sons
May, Roberts & Co., Ltd.
Newbery, F., & Sons, Ltd.
Reuter, R. J. | Sangers
Schutze, F., & Co., Ltd.
Solport Bros.
Southall Bros. & Barclay, Ltd
Swales, Thomas
Telma Manufacturing Co.
Toogood, W., Ltd.
Woolley, J., Sons & Co., Ltd

Drugs, Crude
Dodge & Olcott Co
Gathergood's Exor.
Goodall, Backhouse & Co.
Lambert, Saml., & Co.
McKesson & Robbins
Penick, S. B., & Co.
Potter & Clarke, Ltd.
Raimes & Co.
Welch & Horner

Eau de Cologne
Bronnley, H., & Co., Ltd.
Bush, W. J., & Co., Ltd.
Christy, Thos., & Co.
Erasmic Co., Ltd.
Lescol Perfumery Co.
Maw, S., Son & Sons
May, Roberts & Co., Ltd.
Sangers'
Schutze, F., & Co., Ltd.
Vinolia Co., Ltd.

Eau de Cologne (solid
Demuth's Laboratories

Educational Institutions
Bath&WestofEnglandCollege
Birmingham & Midland Coll.
British Optical Institute
College of Preceptors
Liverpool School of Pharmacy
London College of Pharmacy
North of England School
Northern College of Pharmacy
South of England College
Westminster College

Effervescent Preparations
Allen & Hanburys, Ltd.
EvansSonsLescher&Webb, Ld.
Goodall, Backhouse & Co.

Elastic Gum Insts.
Mason Bros. & Chapman

Elastic Hosiery
Ayrton, Saunders & Co., Ltd.
Bailey, W. H., & Son
Burge, Warren & Ridgley, Ld.
Haywood, J. H., Ltd.
Maw, S., Son & Sons
Wood, Vincent

Electrical Novelties
Millard Bros., Ltd.
Wright, Archd. J., Ltd.

Embrocations
Elliman, Sons & Co.

Emery and Cloth
Oakey, J., & Sons, Ltd.

Emetine Salts
Macfarlan, J. F., & Co.
Whiffen & Sons, Ltd

Emulsifiers
Bennett, Sons & Shears, Ltd.
Wilkinson, S. W., & Co.

Emulsions, C.L.O., &c.
Ayrton, Saunders & Co., Ltd.
Baiss Bros. & Stevenson, Ltd.
Blackie, Robert
Browning, Wm., & Co.
Cupal, Ltd.
Faulding, F. H., & Co.
Parke, Davis & Co.
Scott & Bowne, Ltd.
Stevenson, H. E., & Co.
Wyleys, Ltd.

Enamelled Hospital Requisites
Orme, Evans & Co., Ltd.

Endolytic Tubes
Fletcher, Fletcher & Co. Ltd

Enemas
Burge, Warren & Ridgley, Ltd.
Ingram, J. G., & Son
Maw, S., Son & Sons
Warne, W., & Co., Ltd

Epsom Salts
Blythe, Wm., & Co., Ltd.
Howards & Sons, Ltd.
May & Baker, Ltd
Methven, J., Son & Co., Ltd.
Mumford, G. S., & Sons

Essences, Sol. and Fruit
Alliance Drug & Chem.
Barnett & Foster
Boake Roberts & Co., Ltd.
Bush, W. J., & Co., Ltd.
Hay, Wm., Ltd.
London Essence Co.
Polak & Schwarz
Stevenson & Howell, Ltd
Whittaker, Arthur

Ethers
Baiss Bros. & Stevenson, Ltd.
Duncan, Flockhart & Co.
Howards & Sons, Ltd.
Macfarlan, J. F., & Co.
May & Baker, Ltd.
Tyrer, T., & Co., Ltd.
White, A., & Sons

Eucalyptus Oil
British Drug Houses, Ltd., The
Stevenson, H. E., & Co.
Tasmanian Eucalyptus Oil Co.

Evaporators
Forshaw, E., & Son, Ltd.

Extract of Herbs
Newball & Mason
Potter & Clarke, Ltd.

Extracts (Medicinal)
Allen, Stafford, & Sons, Ltd.
Burroughs Wellcome & Co.
EvansSonsLescher&Webb, Ld.
Gathergood's Exor.
Hewlett, C. J., & Son, Ltd.
Parke, Davis & Co.
Ransom, W. & Son, Ltd.

Factory, &c., Sites
Great Western Railway

Feeding Bottles
Bush, H. W., & Co., Ltd.
Maw, S., Son & Sons
Schutze, F., & Co., Ltd.

Filling Machines
Forgrove Machinery Co., Ltd
Roberts' Pat. Filling Mach Co.

Filters
BritishPasteur-Chamberland Filter Co.

Flycatchers
Alabastine Co. (British) Ltd.
Kay Bros., Ltd.
Smith, Jno. H., & Co.

Foods, Invalid, &c.
Allen & Hanburys, Ltd.
Bell (John), Hills & Lucas, Ltd.
Benger's Food, Ltd.
Brand & Co., Ltd.
British Milk Products Co., Ld
Deans, Logan & Co., Ltd.
Fairchild Bros. & Foster
Frame Food Co.
Harker, Stagg & Morgan, Ltd
Lorimer, John
Lofthouse & Saltmer, Ltd.
Natural Food Co., Ltd.
Sister Lauras Infant Food Co.
Southall Bros. & Barclay, Ltd
Wander, A., Ltd.
White, A. J., Ltd.
Willows, Francis, B. & T., Ltd.
Woolley, Jas., Sons & Co., Ltd.

Foot Appliances
Scholl Mnfg. Co., Ltd.

Foot Warmers
Maw, S., Son & Sons

Formaldehyde
Heymann, Harry

Fruit Drink
McGlashan, D.

Fuller's Earth
Mumford, G. S., & Sons

Fumigators
Sanitas Co., Ltd.

Gallic Acid
Mallinckrodt Chem. Works

Gauzes
Bailey, R., & Son
Carnegie Bros.
Taylor, W. G.

Gelatines
Crampton, J., & Co., Ltd.

Glassware, Chemical
De Roubaix & Cassiers
Lang, Jules, & Son
Thompson, J. L., & Co.

Glycerin
Fuerst Bros.
Price's Patent Candle Co., Ltd.

Glycerophosphates
Monsanto Chemical Works
Reitmeyer Calburn & Kindersley, Ltd.

Grease Paints
Hovenden, R. & Sons Ltd.
Quelch, Henry C., & Co.

Grinders, Drug, &c.
Allen, Stafford, & Sons, Ltd.
Goodall, Backhouse & Co.
Willows, Francis, B. & T., Ltd.

Gripe Water
Woodward, W., Ltd.

Gums
Fink, F., & Co.
Kidston, W. M., & Co.
Lambert, Saml., & Co.
Welch & Horner

Hair Dyes
Harker, C. R., Stagg & Morgan
Blackie, Robert

Hair Preparations
Alexandre, L.
Anzora Perfumery Co.
Blackie, Robert
Edwards' "Harlene" Co.
Franklin Co.
Ni-Verre Chemical Co.
Sangers

Hand Carts, Trucks, &c.
Crewe & Co.

Hat Cleaners
Cox, Arthur H., & Co., Ltd.
Milner's Chemical Co.

Hat Dyes
Whitaker & Co.

Heating Apparatus
Little Kitchener Co.
Wright, John, & Co.

Herbs
Brook, Parker & Co., Ltd.
Potter & Clarke, Ltd.
Salle, H., & Co.

Homœopathic Medicines
Ashton & Parsons, Ltd.
Keene & Ashwell, Ltd.

Horse Remedies
Harvey & Co. (Dublin), Ltd.

Hot Water Bottles
Bailey, W. H., & Son
Berton, Arthur, Ltd.
Burge, Warren & Ridgley, Ltd.
Chemists' Sundries, Ltd.
Galen Manfg. Co., Ltd.
Ingram, J. G., & Son
Maw, S., Son & Sons
Toogood, William, Ltd.
Warne, Wm., & Co., Ltd.
Wood, Vincent

Hot Water Bottle Stoppers
Rowe, T. Wilfrid

Hotels
Kingsley Hotel
Thackeray Hotel

Hydrogen Peroxide
Laporte, B., Ltd.
May & Baker, Ltd.
Sanitas Co., Ltd.
Tyrer, T., & Co. Ltd.

Hypophosphites
May & Baker, Ltd.
Tyrer, T., & Co., Ltd.

Ink, Dichroic
Bewley & Draper, Ltd.

Insecticides
Christy, T., & Co.
Cook, E., & Co., Ltd.

Insect Powder
Potter & Clarke, Ltd.
Raimes & Co.

Iodides
Tyrer, T., & Co., Ltd.

Lanolines
Bonaventura, F., & Co.
Corbyn, Stacey & [illegible], Ltd.
Hillcrest Oil Co., Ltd.
Howard Lloyd & Co., Ltd.

Lard
Ewen, J., & Sons

Lavender Oil
Allen, Stafford, & Sons, Ltd.
Guillevic, E., & Co.
Ransom, W., & Son, Ltd.

Lavender Water
Bush, W. J., & Co., Ltd.
Vinolia Co., Ltd.

Lime Juice and Cordial
EvansSonsLescher&Webb, Ld
Idris & Co., Ltd.

Linseed, Crushed
Mumford, G. S., & Sons

Lints
Liverpool Lint Co.
Maw, S., Son & Sons
Robinson & Sons, Ltd.
Taylor, W. G.
Vernon & Co., Ltd.

Liquorice Juice
Boehm, F., Ltd.
Fuerst Bros.
Jackson, Ernest, & Co.
Solazzi

Liquors, Conc.
Fletcher, Fletcher & Co.

Lithia Salts
British Drug Houses, Ld., The
Howards & Sons, Ltd.
Macfarlan, J. F., & Co.
May & Baker, Ltd.

Loofah Socks
Davis, J. M., & Sons

Loofahs
Hall Forster & Co., Ltd
Internl. Sponge Importers, Ld
Solport Bros., Ltd.
Swales, Thos.

Lozenges
Crosse & Blackwell
Denoual, Jules, & Co.
Guest, Thos., & Co.
Jackson, Ernest, & Co.
Parke, Davis & Co.
Potter & Clarke, Ltd.
Raimes & Co.
Warrick Bros., Ltd.

Lysols
Burt, Boulton & Haywood, Ld
Eucryl Ltd.
EvansSonsLescher&Webb, Ld
Lysol, Ltd.

Machinery, Pharmacal
Allen & Hanburys, Ltd.
Bennett, Sons & Shears, Ltd.
Blair, Campbell & McLean, Ld.
Forgrove Machinery Co., Ltd.
Gardner, Wm., & Sons, Ltd.
Griffin, John J., & Sons, Ltd.
Pindar, J. W., & Co.
Stokes, F. J., Machine Co.
Thompson & Capper, Ltd.
Wilkinson, S. W., & Co.

Magnesia and Preps.
Henry, T. & W.
Howards & Sons, Ltd.
Phillips, Chas. H., Chem. Co.
Washington Chemical Co., Ld.

Malt Extract and Preps.
Allen & Hanburys, Ltd.
Blackie, Robert
British Drug Houses, Ld., The
Burroughs Wellcome & Co.
Calder, James, & Co. Ltd.
Calder's Yeast Co., Ltd.
Corbyn, Stacey & Co., Ltd.
Davies, Sons & Co.
EvansSonsLescher&Webb, Ld
Fletcher, Fletcher & Co., Ltd.
May, Roberts & Co., Ltd.
Oppenheimer, Son & Co., Ltd.
Paine & Co., Ltd.
Pascall, James, Ltd.
Tolkein, C., & Co.
Wander, A., Ltd.
Wyleys, Ltd.

Marking Ink
John Bond ('Crystal Palace')

Measures, Graduated
Bush, H. W., & Co., Ltd.

Meat Extracts
Armour & Co., Ltd.
Brand & Co., Ltd.

Mercurials
Alliance Drug & Chemical Co.
Howards & Sons, Ltd.
May & Baker, Ltd.
Tyrer, T., & Co., Ltd.

Methylated Spirit
Burrough, J., Ltd.
Macnair, A., & Co.
Preston's Liverpool Distillery Co., Ld.
Randall & Son, Ltd.
Thornley, Samuel, Ltd.

Mineral Waters
Camwal, Ltd.
Cheltenham Mineral Water
Del Mar, E.
Idris & Co., Ltd.
Ingram & Royle, Ltd.
Vichy-Celestins

Mixers and Sifters
Gardner, Wm. & Sons (Glos.) Ld
Stokes, F. J., Machine Co.

Naphthalene
Burt, Boulton & Haywood, Ld

Nebulizers
Reuter, R. J.

Night Lights
Price's Patent Candle Co., Ld.

Oils, Essential
Allen, Stafford, & Sons, Ltd.
Alliance Drug & Chemical Co.
Boake Roberts & Co., Ltd.
Boehm, F., Ltd.
Bush, W. J., & Co., Ltd.
Dodge & Olcott Co.
Etna Essential Oil Co.
EvansSonsLescher&Webb, Ld
Guillevic, E., & Co.
Lambert, Saml., & Co.
Lane-Hall, R., & Co.
London Essence Co.
Magnus, Mabee & Reynard Inc.
Naef, M., & Co.
Polak & Schwarz
Ransom, W., & Son, Ltd.
Stevenson & Howell, Ltd.
Welch & Horner
Wiener, R. O., & Co.
Wright, Layman & Umney, Ld.
Zimmermann, C., & Co., Ltd.

Oils, Mineral, Fatty, &c.
Allen, Stafford, & Sons Ltd.
Boehm, F., Ltd.
Hertz & Co.
Price's Patent Candle Co. Ld.
Stern Sonneborn Oil Co., Ltd.

Ointments
Blackie, Robert
Burgess, E.
Charleston & Co.
Mentholatum Co.
Oldfield, Pattinson & Co.
Peat Products (Sphagnol) Ltd.

Olive Oil
Farris, Charles
Guillevic, E., & Co.

Opium Preparations
Ferris & Co., Ltd.
Oldfield, Pattinson & Co.

Optical Goods
Darton, F., & Co.
Maw, S., Son & Sons
Nitsche & Gunther Optical Co., Ltd.
Standard Optical Co., Ltd.

Optical Tuition
British Optical Institute
College of Optics

Orange and Quinine Wine
Hobson, Joseph, & Son
Idris & Co., Ltd.
Millar, A., & Co., Ltd.
Robinson, B., & Co., Ltd.

Organic Solvents
Hopkin & Williams, Ltd.

Organo-Therapeutic Preps.
Armour & Co., Ltd.
BritishOrganotherapy Co., Ld
Digestive Ferments Co.
Duncan, Flockhart & Co.
Stearns, Fredk., & Co.

Otto Rose
Guillevic, E., & Co.
Zimmermann, C., & Co., Ltd.

Otto Rose (Synth.)
Bush, W. J., & Co., Ltd.
Guillevic, E., & Co.
Kerfoot, Thos., & Co.
Polak & Schwarz
Stevenson & Howell, Ltd
Stevenson, H. E., & Co.
Warrick Bros., Ltd.
Wright, Layman & Umney, Ld.

Oxygen Baths
Wright & Co.

Oxygen Gas (in Cylinders)
Lea & Son

Palatinoids
Oppenheimer, Son & Co., Ltd.

Paper Handkerchiefs
Toinoco Handkerchief Co., Ld

Paraffinum Liquidum
Benjamin & Co.
Browning, Wm. & Co
Chesebrough Mnfg. Co.
Farris, Charles
Snowdon, Sons & Co., Ltd.
Stern Sonneborn Oil Co. Ltd.
Wiener, R. O., & Co.

Pastilles
Allen & Hanburys, Ltd.
Burroughs Wellcome & Co.
Demuth's Laboratories
Evans Sons, Lescher & Webb
Guest, Thos., & Co.
Kerfoot, Thomas, & Co.
Wander, A., Ltd.
Warrick Bros., Ltd.

Patent Agents
Barker, R. W.
Raworth, John E.

Peppermint Oil
Allen, Stafford, & Sons Ltd.
Bush, W. J., & Co., Ltd.
Dodge & Olcott Co.
Ransom, W., & Son, Ltd.
Rudd, F. M.
Stevenson & Howell, Ltd.

Pepsine
Digestive Ferments Co.
Greeff, R. W., & Co.
Stearns, Fredk., & Co.

Peptone
Armour & Co., Ltd.
Digestive Ferments Co.
Fairchild Bros. & Foster
Stearns, Fredk., & Co.

Perfume Materials
Bush, W. J., & Co., Ltd.
Guillevic, E., & Co.
Kerfoot, T., & Co.
Lane-Hall, R., & Co.
Naef, M., & Co., Succrs.
Polak & Schwarz
Salle, H., & Co.
Stevenson & Howell, Ltd.
Wright, Layman & Umney, Ld.
Zimmermann, C., & Co. Ltd.

Perfumes
Allen & Hanburys, Ltd.
Baiss Bros. & Stevenson, Ltd.
British Drug Houses, Ld., The
Bronnley, H., & Co., Ltd.
Bush, W. J., & Co., Ltd.
Christy, T., & Co.
Demuth's Laboratories
Erasmic Co., Ltd.
EvansSonsLescher&Webb, Ld
Lescol Perfumery Co.
Louvain Preparations, Ltd.
Potter & Clarke, Ltd.
Price's Co., Ltd.
Quelch, H. C., & Co.
Rigaud
Shirley Bros., Ltd.
Southall Bros. & Barclay, Ld.
Vinolia Co., Ltd.
Warrick Bros., Ltd.
West, T., & Son

Perles
Tye, John, & Son

Pessaries (Soluble)
Burge, Warren & Ridgley, Ld.
Rendell, W. J.

Petroleum Jelly
Chesebrough Manfg. Co.
Kidston, W. M., & Co.
Meade-King, Robinson & Co.
Stern Sonneborn Oil Co., Ltd.
Wiener, R. O., & Co.

Phenacetin
Greeff, R. W., & Co.
Monsanto Chemical Works

Phosphorus and Preps.
May & Baker, Ltd.
Tyrer, T., & Co., Ltd.

Photo. Chemicals
Greeff, R. W., & Co.
Lane-Hall, R., & Co.

Photo. Goods
Ayrton, Saunders & Co., Ltd.
Burroughs Wellcome & Co.
Butcher, W., & Sons, Ltd.
EvansSonsLescher&Webb, Ld
Kent, G. B., & Sons, Ltd.
Lennon, Ltd.
May, Roberts & Co., Ltd.
Newbery, F., & Sons, Ltd.
Rajar, Ltd.
Sangers
Wyleys, Ltd.

Photo. Postcards
Rajar, Ltd.

Pile Powders
Mumford, G. S., & Sons

Pill Makers
Beech & Barnicott
Cox, A. H., & Co., Ltd.
Davies, Sons & Co.
Howard Lloyd & Co., Ltd
Kirby, H. & T., & Co., Ltd.
McKesson & Robbins
Standard Tablet & Pill Co., Ld.
Wand Manufacturing Co.

Plasters
Allcock Manufacturing Co.
Dalmas, A. de St., & Co.
Galen Manufctg. Co., Ltd.

Pocket Canteens
Pocket Canteen Co.

Pocket Spitting Flasks
Beatson, Clark & Co., Ltd.

Polishes (Various)
Bradley & Bourdas
Holiday & Co.
Oakey, J., & Sons, Ltd.

Postal Boxes
Globe Box Co.
Robinson & Sons Ltd.

Powder Paper
Papier Poudré Ltd.

Printers
Cartwright & Rattray, Ltd.
Ford, Shapland & Co.
Suttley & Silverlock, Ltd.
Townsend, J., & Sons
Waide, T., & Sons
Wilkinson, James F.

Puffs
Schutze, F., & Co., Ltd.
Solport Bros.

Pyrogallic Acid
Greeff, R. W., & Co.

Quinine and Salts
Alliance Drug & Chem. Co.
Bandoeng Quinine Factory
Corbyn, Stacey & Co., Ltd.
Greeff, R. W., & Co.
Howards & Sons, Ltd

Radio-active Minerals
Harrington Bros., Ltd.

Radium Compounds
Glew, F. H.

Razors
Hovenden, R., & Sons, Ltd.
Keiland, W. P.
Maw, S., Son & Sons

Reagents
Hopkin & Williams, Ltd.

Resins, Resinoids
Allen, Stafford, & Sons, Ltd.
Macfarlan, J. F., & Co.
Ransom, W., & Son, Ltd.
Smith, T. & H., Ltd.

Respirators
Brown, J. M., & Co.
Solport Bros., Ltd.
Zimmer & Co.

Rubber Goods
Altrincham Rubber Co.
Berton, Arthur, Ltd.
Burge, Warren & Ridgley, Ltd.
Haywood, J. H., Ltd.
Ingram, J. G., & Son
Maw, S., Son & Sons
Tompkins, J., Ltd.
Warne, W., & Co., Ltd.

Rubber Stamps
Richford C. D.

Saccharin
Saccharin Corporation, Ltd.

Salicylic Acid and Salicylates
Bush, W. J., & Co., Ltd.
Central Export Bureau
Laza d-G dcha x

Salvarsan, &c., Substitutes
Bresillon, M., & Co.

Sanitary Towels
Southall Bros. & Barclay, Ltd.

Santonine
Carnegie Bros.
Goldberg, I. L.

Saponin
Field, C. W., Ltd.

Scammony Resin
Carnegie Bros.

Scientific Apparatus
Parkes, Son & Co., Ltd.
Pillischer, J.
Reynolds & Branson, Ltd.

Sea Salt
Tidman & Son, Ltd.

Seed Dressing
Hawker, Arthur E.
Tomlinson & Hayward, Ltd.

Sera. s and Antitoxins
Allen & Hanburys, Ltd.
Burroughs Wellcome & Co., Ltd.
Christy, T., & Co.
Evans Sons Lescher & Webb, Ld
Parke, Davis & Co.
Willcox, Joseph & Co.

Shares
McAdam & Tuckniss

Sheep Dips
Burt, Boulton & Haywood Ld.
Hawker, Arthur E.
Standardised Disinfectants Co., Ltd.
Tomlinson & Hayward, Ltd.

Shop Fittings
Ayrton-Graham, Ltd.
Cook, George
Evans Sons Lescher & Webb, Ld.
Grant, D.
Haskins, S., & Bros., Ltd.
Josephs, Philip, & Sons, Ltd.
Maw, S., Son & Sons
Mills, H.
Parnall & Sons
Ruddock & Co.
Sangers

Shoulder Straps
Wood Vincent

Silver Nitrate
Johnson, Matthey & Co., Ltd.

Soap Plant
Forshaw, E., & Son, Ltd.

Soaps, Medicated
Midgley, Chas., Ltd.

Soaps, Toilet, &c.
Allen & Hanburys, Ltd.
Bell (John), Hills & Lucas, Ld.
Bronnley, H., & Co., Ltd.
Chesebrough Manfg. Co.
Christy, Thos., & Co.
Cook, E., & Co., Ltd.
Erasmic Co., Ltd.
Euceryl, Ltd.
Evans Sons Lescher & Webb, Ld
Ewen James, & Sons
Faulding, F. H., & Co.
Field, J. C. & J., Ltd.
Hovenden, R., & Sons, Ltd.
Lescol Perfumery Co.
Pears A. & F., Ltd.
Peat Products (Sphagnol) Ltd.
Price's Patent Candle Co., Ld.
Resinol Chemical Co.
Spratt's Patent, Ltd.
Vinolia Co., Ltd
Wright, Layman & Umney, Ld

Sodium Bicarbonate
Brunner, Mond & Co., Ltd.
Howards & Sons, Ltd.

Soothers
Schutze, F., & Co., Ltd.

Spectacles
Darton, F., & Co.
Maw, S., Son & Sons
Nitsche & Gunther Optical Co., Ltd

Spermaceti
Farris, Charles
Price's Patent Candle Co., Ld.

Spices (Ground)
Allen, Stafford, & Sons, Ltd.
Goodall, Backhouse & Co.

Spirit of Wine
Burrough, J., Ltd.
Calder, James, & Co., Ltd.
Preston's Liverpool Distillery Co., Ltd.

Sponges
Internl. Sponge Importers, Ld

Sprays
Burge, Warren & Ridgley, Ltd.
Christy, Thos., & Co.
Hovenden, R., & Sons, Ltd.
Maw, S., Son & Sons
Parke, Davis & Co.
Sangers
Toogood, Wm., Ltd.

Sprinkler Corks
Betts & Co., Ltd.

Spruce Beer
Hobson, Joseph, & Son

Starch
Mumford, G. S., & Sons

Stills
Bennett, Sons & Shears, Ltd.
Forshaw, E., & Son, Ltd.
Stokes, F. J., Machine Co.

Stoppers
Rowe, T. Wilfrid
Stipendum Stopper Co.

Suppositories
Peat Products (Sphagnol), Ltd.

Surgical Appliances & Dressings
Allen & Hanburys, Ltd.
Bailey, R., & Son
Baiss Bros. & Stevenson, Ltd
Berton, Arthur, Ltd.
Burgoyne, Burbidges & Co.
Burroughs Wellcome & Co.
Bush, Henry W., & Co., Ltd.
Carnegie Bros.
Christy, Thos., & Co.
Cuxson, Gerrard & Co., Ltd.
Dalmas, A. de St., & Co.
Galen Manfg. Co., Ltd.
Gimber, W., & Son
Haynes, G., & Co.
Liverpool Lint Co.
Macfarlan, J. F., & Co.
Mason Bros. & Chapman
Maw, S., Son & Sons
May, Robert & Co., Ltd.
Mulford, H. K., Co
Robinson & Sons, Ltd.
Taylor, W. G.
Thermogene Co., Ltd.
Van Horn & Sawtell
Vernon & Co., Ltd.
Vernon, Will, & Sons
Warne, W., & Co., Ltd.
Wood, Vincent
Woolley, J., Sons & Co., Ltd.

Suspensories
Bailey, W. H. & Sons

Synthetic Prods.
Naef, M., & Co.
Stevenson & Howell, Ltd

Syphons
Barnett & Foster
Carwal, Ltd.
Idris & Co., Ltd.
Pure Aeration Supply, Ltd.
Williams, E., and Co.

Syringes
Bresillon, M., & Co.
Bush, H. W., & Co., Ltd.
Lang, Jules, & Co.

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Anglo-American Pharmaceutical Co., Ltd.
Fellows' Med. Mfg. Co.

Table Waters
Burrow, W. & J.

Tablet Machinery
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Bennett Sons & Shears, Ltd
Griffin, John J., & Sons, Ltd.
Thompson & Capper, Ltd.
Wilkinson, S. W., & Co.

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Allen & Hanburys, Ltd.
British Drug Houses, Ld The Brook, Parker & Co., Ltd.
Burgoyne, Burbidges & Co.
Cox, A. H., & Co., Ltd.
Davies, Sons & Co.
Duncan, Flockhart & Co.
Evans Sons Lescher & Webb, Ld
Guest, Thos., & Co.
Howard & Sons, Ltd.
Iron-Ox Remedy Co.
Jackson, Ernest, & Co.
Kirby, H. & T., & Co., Ltd.
Parke, Davis & Co.
Scheller, Emil, & Co.
Shirley Bros., Ltd.
Southall Bros & Barclay, Ltd.
Standard Tablet & Pill Co., Ld.
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Christy, Thos., & Co.

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Vanillin
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Vaseline
Chesebrough Manfg. Co.

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Hawker, Arthur E.
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Mason Bros. & Chapman
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Vet. Remedies.
Cataline Co.
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Asiatic Petroleum Co.
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Farris, Charles
Price's Pat. Candle Co.
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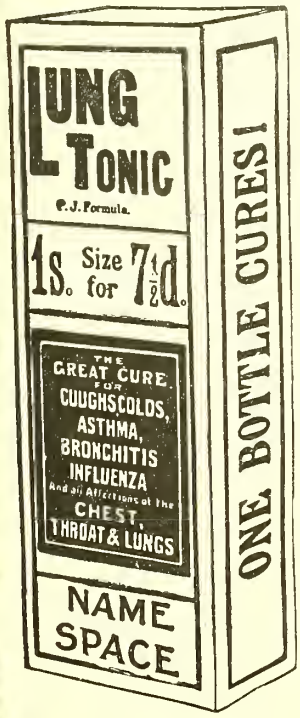

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By ordering Stock of YOUR OWN

LUNG TONIC

P. J. Form., therefore no stamps required. Known, admitted, and approved.

Profit over 100%, and nothing to do but hand it over the counter. Makes an effective Window Show. — Quick seller. Sure repeats. —

FREE Window Slips
FREE Showcards
FREE Delivery
FREE Packages
FREE Sample
NAME on Label
NAME on Carton

	Double Size
3 dozen @ **48 -**	3 dozen @ **78 -**
6 dozen @ **46 -**	6 dozen @ **76 -**
1 gross @ **44 -**	1 gross @ **74 -**

Davies, Sons & Co

Manufacturing Chemists, THE BRIDGE STREET, DERBY.

Apply for Prices for

PILLS, CAPSULES, TABLETS, AND OTHER OWN NAMED PACKED LINES.

Chymol

THE FOOD THAT BUILDS!

Many Pharmacists have reported that they are pleased with CHYMOL as a business bringer.

Some have written to say that CHYMOL is being used in their own homes with excellent effect. These Pharmacists also tell us that a bland product with a natural flavour, due solely to the ingredients, is going to please the average palate much better than if the product carries an artificial flavour.

CHYMOL is as pleasant to eat as cream or the finest fresh butter, and it contains "all classes of food material" together with "active enzymes, the role of which in nutrition is now known to be important." (See the "Lancet," September 25, 1915.)

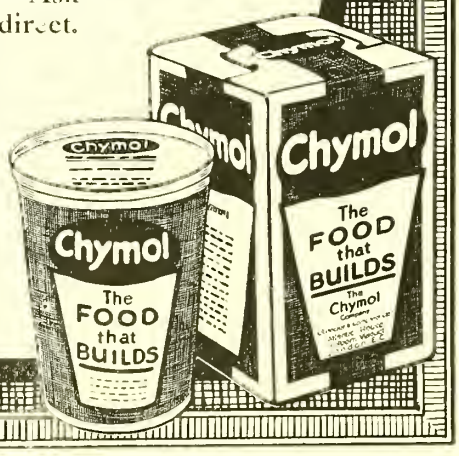
CHYMOL is packed in hermetically sealed, unbreakable vessels, packed in attractive cartons.

Window displays on special terms. Ask our representatives or write to us direct.

P.A.T.A. Prices.

P.A.T.A. Prices - 1/-, 2/6, 10/-
Trade Prices - - 9/-, 24/-, 96/-

THE CHYMOL COMPANY
Armour & Company, Ltd.
ATLANTIC HOUSE,
HOLBORN VIADUCT, LONDON, E.C.



PHARMACEUTICAL AND PHOTOGRAPHIC PRODUCTS

R.W. Greeff & Co.,

offer at lowest prices the following products manufactured in the United Kingdom, Allied and Neutral Countries.

(WHOLESALE QUANTITIES ONLY)

Barbitone
Bromide of Potassium
Bromide of Sodium
Cinchonine Sulphate and Muriate
Cinchonidine Sulphate
Citric Acid
Cocain Hydrochlor and Puriss
Cream of Tartar
Creosote Carbonate
Formaldehyde
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Isarol (best Ichthyol substitute)
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Lithol (Ichthyol sub.)
Mercurials
Methyl Salicylate
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Peppermint Oil
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Phenazone
Pyrogallic Acid
Phenolphthalein
Potassium Sulpho-Guaiacolate
Quinine
Salicylate of Soda
Sugar of Milk
Tannic Acid
Tannin Albuminate
Terpineol
Theobromine Pure Alkaloid
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R.W. Greeff & Co.
THAMES HOUSE, QUEEN STREET PLACE,
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"FARRIS'S"

GENUINE WHITE BEESWAX.

PURE ENGLISH REFINED SPERMACETI.

WAXES of every known kind and for every purpose.

Celebrated for excellence and purity—nearly three quarters of a century.

Large Stocks always Ready for Immediate Delivery.

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The only actual Manufacturing Wax Chandler in the City of London.

Works **HELMET COURT, BISHOPSGATE, E.C.**

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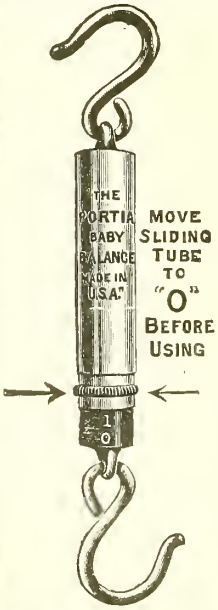
Telephones: LONDON WALL, 9397 and 9398. Telegrams: "WAXINESS (LED) LONDON."

A Profitable Seller



THE

"PORTIA"

(Regd.)

NET WEIGHT

Baby Balance

Weighs up to 15 lb.

Price	Retail
11/6	**1/6**
dozen.	each.

Hang a balance in your window with our dainty cut-out showcard in colours on the lower hook, showing a baby actually being weighed, and you will soon be re-ordering.

SOLPORT BROS.,

184 to 190 Goswell Rd., London, E.C.

Obtainable through all Wholesale Houses.

The LITTLE

KITCHENER

SOLID FUEL Pocket Stove COOKER.

Warms anything in a few minutes
No spirit, no spilling, no danger.

Can be carried in the pocket or sent through the post.

For the Trenches, Camps, Picnics, Doctors, Nurses, Motor Tours, Fishing, Boating and Indoor use, etc.

BIG EXPORT LINE.

Sells at 1/- each.

Boiling Pot **6d.** extra, Refills, 4 in a tin, **1/6**

BIG XMAS LINE.

SEND FOR PARTICULARS.

A.B. Little Kitchener Co

Gilbert Street, London, W.C.

TELEGRAPHIC ADDRESS: ELEVEN CENT LONDON

Maw's Page

S. MAW, SON & SONS
7 to 12, ALDERSGATE ST.
LONDON, E.C.

TELEPHONE CITY 7
PRIVATE BRANCH EXCHANGE

NUMBER 215 NOVEMBER 27, 1915

Of the highest quality, and put up in oblong decorated glass pots, MAW'S "PAREX" Regd.

CRYSTALLIZED BRILLIANTINE

forms a splendid dressing for the hair, and a good and ever-popular line.

PRICE 7/8 DOZEN WITH BONUS.

Put up in elegant cut and gilded 1 oz bottles, our SYNTHETIC OTTO OF ROSE is the true substitute for real Otto of Roses. The Balkans situation is sending the price of genuine Otto up steadily, and customers should order our perfect substitute now. The increasing scarcity of material for manufacture of the synthetic product will necessitate a considerable advance in price in the near future.

PRICE 10/6 OUNCE.

A soothing and antiseptic preparation eminently suitable for applying to the hands and feet. Such is MAW'S "ACTIVE SERVICE" CAMPHOR AND BORACIC CREAM, put up in strong metal screw cap cases.

PRICE 31/- GROSS.

SIX ENDORSEMENTS OF THE FAMOUS AND INDISPUTABLE MAW QUALITY.

Undoubtedly the two finest toilet powders ever submitted to discriminating pharmacists. MAW'S TALCUM POWDERS (WHITE ROSE AND VIOLET) are perfectly refined and antiseptic; charmingly perfumed and handsomely put up.

PRICE 7/2 DOZEN WITH BONUS.

Very fragrant and refreshing, quite a nice line is our MENTHOL EAU DE COLOGNE This preparation creates a most soothing effect when applied to the head.

8/3 & 14/3 PER DOZEN.

Gents' Muff : 14/-

During the next three or four weeks, Pharmacists will be aiding their old ally, the British Public, in the campaign for Christmas presents.

We believe that the majority of our customers are strongly entrenched behind gift lines, with an eye on the House of Maw for reinforcements.

. . . .

Well, we are ready. Against difficulties brought about by war conditions we have successfully contrived to make the Christmas season something more than a name for Pharmacists. We have been able to produce, for instance, new series of manicure sets and other toilet requisites, and many other lines to attract the gift-seeker.

. . . .

The character of presents alters with the passing of time. Horace Walpole's Christmas gifts to his friend, George Montague, in 1776 were "Anecdotes of Painting," a pamphlet on "Libels," the "Castle of Otranto," and a muff—for muffs were popular articles of men's winter wear in those days.

Now the demand is for *utility*; useful and serviceable articles, particularly fo our men in the field. As we indicated a fortnight ago, many splend d gift lines are included in the latter category.

. . . .

The dominant thought of the public is economy! They will make their purchases with a due regard for quality. A thing will have to be cheap. *It will have to be good!*

They will not do as Walpole did, enclose a note with the presents describing their cash value. "The Anecdotes (which he himself wrote) sells for £3 3 0, and the muff cost 14/-." This age is not so refreshingly frank. Customers like something which inspires a suggestion of value, no matter how little the real outlay.

. . . .

We saw to it, as we planned our Christmas lines, that they should give just this all-round satisfaction.

We know that by pleasing your customers, we please our own.

Capsule

USUAL DISCOUNT OFF ABOVE PRICES.

NEW TRADE TERMS

The "SANITAS" CO., LTD., beg to give notice that on and after December 1 next, "SANITAS" preparations will be supplied to the Trade upon new terms of supply, and that their retail prices will be fixed at their face values.

1/- "SANITAS" lines will be supplied to the Trade @ 10/- per dozen, net, and @ 9/6 per dozen, net, for orders of not less than £5 14 0.

6d. "SANITAS" lines will be supplied to the Trade @ 5/- per dozen, net, and @ 4/6 per dozen, net, for orders amounting to not less than £5 14 0.

City and West End orders will be delivered free of carriage. Outside these limits but within suburban areas orders amounting to not less than 10/- net will also be delivered free.

Country orders of £3 net will be delivered free to any Railway Station in the United Kingdom.

Wholesale orders (for not less than £5 14 0) will also be delivered free to any Railway Station in the United Kingdom.

All other orders will be sent "Carriage Forward."

TERMS: MONTHLY NET.

The "SANITAS" Company, Ltd.

LOCKSLEY ST., LIMEHOUSE, LONDON, E.

Our friends are asked to kindly sign and return this undertaking.

No. .....

UNDERTAKING.

I/We hereby undertake (1) not to list or sell by retail any "Sanitas" articles below the minimum retail prices, which have been fixed as follows, viz.: 1/- for 1/- articles, and pro rata for the others; (2) not to supply the trade below the wholesale price of 10/- per dozen for 1/- articles, and pro rata for the others; and (3) not to give a bonus or dividend check with the article, or to sell at such price, as, after deducting the value of the bonus or dividend check, the price would work out below the minimum price.

Name .....

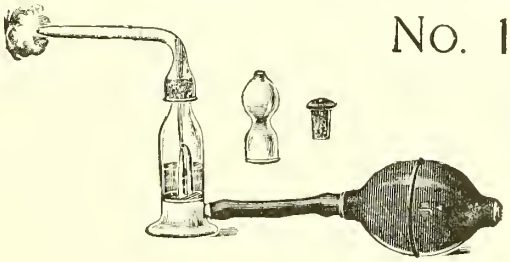
Address .....

Date .....

THE "ARISTON" (ALL GLASS) NEBULIZERS.

(London Made).

OWING TO **THE PECULIAR CONSTRUCTION OF THE BASE,** THESE NEBULIZERS WILL RESPOND TO THE SLIGHTEST PRESSURE OF THE BELLOWS, THE AIR BEING PUMPED INTO THE SPECIAL CHAMBER, AND THUS MULTIPLYING BY MANY TIMES THE PRESSURE. **THEY WILL PULVERIZE THE HEAVIEST OILS.** THEY MAY BE FITTED WITH SPARE PIECES FOR POST-NASAL OR LARYNGEAL TREATMENT, TO ORDER. **3/-** PER DOZEN EXTRA PER PIECE.



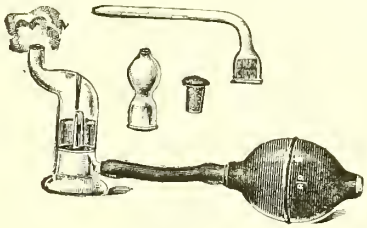
(Registered).

No. 1 "ARISTON" (ORDINARY).

No. 1 Pattern IS A DIRECT NEBULIZER, suitable for use with either oily or heavy aqueous solutions.

PRICE with throat piece,

30/- per dozen, subject.

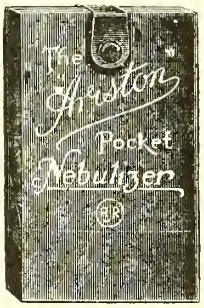


(Registered).

No. 2 "ARISTON" (IMPROVED).

A new production, with an INDIRECT action. The oil is thrown on to the roof of the glass chamber with great force and thus further sub-divided, a copious and **perfectly nebulous cloud being evolved.**

PRICE with throat piece, 36/- per dozen, subject.



THE POCKET "ARISTON."

PRICE complete with

throat and nose piece,

36/- per dozen, subject.

WE SPECIALISE IN THROAT SPRAYS AND ATOMIZERS OF EVERY DESCRIPTION.

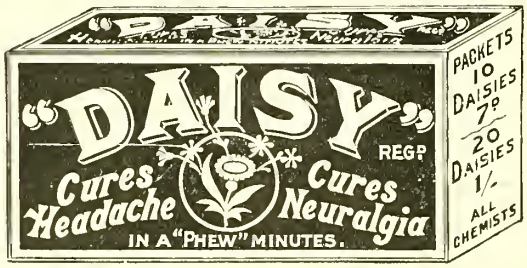
R. J. REUTER,

MANUFACTURER OF AND DEALER IN CHEMISTS' SUNDRIES,

69 CARTER LANE, E.C.

Telegrams: "Refreshing, Cent, London." Telephones: 4461-4462 Central.

IT PAYS TO HANDLE "DAISY."



(1) Because "Daisy" is a safe and certain cure for headache and neuralgia that can be recommended with confidence.

(2) Because "Daisy" is a favourite remedy, is well advertised, sells at sight, and makes satisfied customers who will "come again."

(3) Because "Daisy" yields 100–120 per cent. profit on the bulk of sales and is P.A.T.A. protected.

(4) Because "Daisy" has won the confidence of the public; no other headache cure has such an enormous sale.

Drugs are scarce, labour is expensive. Where is your profit when you pack your own powders? PUSH "DAISY," REMEMBER THE 100 PER CENT.!

DAISY, LTD., Mammoth Works, LEEDS.

ESTABLISHED 1893. *Telegrams: "DAISY LEEDS."*

Awards: London, 1881; Vienna, 1883; Calcutta, 1884; Chicago, 1893

CONTRACTORS TO H. M. GOVERNMENT.

Zinc Oxide "Puriss."

The whitest and lightest made, and the extreme purity of this Zinc may be judged from the fact that it tests 99·8% ZnO, a degree of purity not claimed, we believe, in any other quarter. It has been known and appreciated in all parts of the world for one-third of a century.

Eucalyptus Oil, B.P. (72/75%)

Agents for the Largest Exporters and Distillers in Australia.

Pure Natural Oil, packed in new tins and cases, quite bright, and **not** an admixture of Amygdalina and other commercial qualities, fractionally rectified to enable the B.P. tests to be complied with.

Parrish's Syrup.

Made by an original process from white Cane Sugar and pure Phosphoric Acid, free from Silica, giving a quite unequalled result, in a brilliant and permanently bright preparation, free from any "inky" taste.

IMPORTERS OF—

COPAIBA BALSAM,
CHAULMOOGRA OIL,
EUCALYPTUS OIL,
COD LIVER OIL, etc. etc.

H. E. STEVENSON & CO.

Manufacturing Chemists and Wholesale Druggists,

122 GREAT SUFFOLK St., LONDON, S.E.

Mr. STEVENSON was for many years a Director of BAISS BROTHERS & STEVENSON, Limited.

SAVE 3/- PER GALLON

BY BUYING

GUARANTEED GENUINE

NEWFOUNDLAND NON-FREEZING MEDICINAL COD LIVER OIL

OF 1915 MAKE.

Highest possible quality in smell, taste and colour, comparing most favourably with the finest Norwegian. Manufactured from the finest fresh Cod Liver on same day as fish caught.

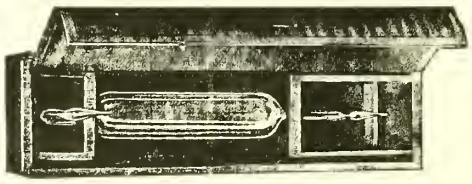
WHOLESALE ONLY.

Kindly write for sample to

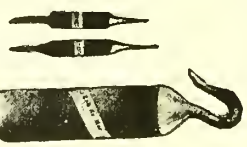
JOB BROS., Manufacturers, Tower Building, LIVERPOOL.

Telegraphic Address: "JOB LIVERPOOL." Tel. 1039 CENTRAL.

And of ST. JOHN'S, N.F. Established 1780.



HYPODERMIC



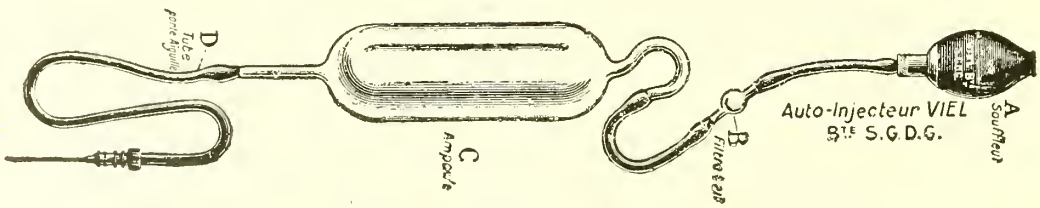
PREPARATIONS

IN AMPOULES.

Any Principle.

In boxes of 12 Ampoules of 1 c.c.; and also in boxes of 50, 100, or 1000.

ABSOLUTELY ASEPTIC. LOWEST PRICES.



Physiological Serums in Ampoules of 250 and 500 c.c.

GLASS AMPOULES (Empty). All sizes and shapes promptly supplied.

M. BRESILLON & CO.,

Gamage Buildings - London, E.C.

Telephone: Holborn 1311. *Telegrams: "Ampsalvas London."*

BAISS BROTHERS & STEVENSON, Ltd.

TRADE MARK

FOR

FINE CHEMICALS OF ALL DESCRIPTIONS.
STANDARDISED TINCTURES AND EXTRACTS.
CONCENTRATED INFUSIONS AND DECOCTIONS.
DISINFECTANTS.
POWDERED DRUGS, STANDARDISED.
COMPRESSED TABLETS.
CONCENTRATED SOLUBLE ESSENCES.
CHEMISTS' PACKED SPECIALITIES.
DRUGGISTS' SUNDRIES.
HOSPITAL EQUIPMENT.
SURGICAL INSTRUMENTS AND DRESSINGS.
Etc. Etc.

Specialities of the Firm.

ELIXIR SENNÆ LEGUM. (BAISS).
EMULSION OF COD LIVER OIL. (BAISS).
(Gold Medal awarded XVIIth International Congress of Medicine, London, 1913.)
GLYCEROL HEROIN c. TERPINHYDRAT. (BAISS).
LIQ. COLCHICINÆ SALICYL. (HOPKINSON'S).
LIQ. SANTAL CO. (BAISS).
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PRICE LISTS IN VARIOUS LANGUAGES.

BAISS BROTHERS & STEVENSON, Ltd.

Wholesale and Export Druggists, Manufacturing Chemists and Makers of Surgical Instruments,

Contractors to His Majesty's Government; the Crown Agents for the Colonies; various Foreign Governments; and the principal Hospitals and Institutions at Home and Abroad.

174, 175, 176 GRANGE ROAD, BERMONDSEY, LONDON, S.E.

Established 1833.

Sanaphos

T.M. Reg.

—the 5/- size costs you 3/6. Fixed retail price. Fixed profit.

THE BRITISH MILK PRODUCTS CO., LTD.,
69 Mark Lane,
LONDON, E.C.

The fixed prices at which **Sanaphos** is sold show a net profit to the retail chemist of over 30 per cent. on selling price (over 40 per cent. on cost).

The wholesale prices are:— **1/-** size, **8/6** per dozen; **1/6** size, **12/9** per dozen: **2/6** size, **21/-** per dozen; **5/-** size, **42/-** per dozen.

Sanaphos is a reconstructive NERVE Food. It is Nutrient, Restorative and Activating.

It is indicated in Mental and Physical Fatigue; Nervous Breakdown; Insomnia; and Neurasthenia.

The product of an alien enemy is effectively displaced by **Sanaphos**.

Sanaphos is an organically phosphated milk product, much superior to the German-owned article.

It is prepared in England under strict scientific control.

Chemists are invited to write for samples and all particulars; and to send names of physicians, to whom we shall be pleased to send samples of **Sanaphos** and copies of numerous professional endorsements.

"FERROCARNIS"

A pleasantly flavoured solution of iron in organic combination with BRAND'S Concentrated Raw Meat Juice.

Ferrocarnis combines the stimulating properties of meat juice with the tonic effect of iron. This product does not cause constipation, and thus affords a means of administering iron to patients who are unable to take ordinary iron preparations.

PREPARED BY

BRAND & CO., LTD., MAYFAIR WORKS, SOUTH LAMBETH ROAD, S.W.

POWDER PUFFS

To secure all the available business, the puffs must be dainty and the prices must be right.

MASTER BRAND

WE HAVE MORE THAN ONE HUNDRED VARIETIES AT PRICES COMMENSURATE WITH VALUE.

F. SCHUTZE & CO., Ltd.,
MAKERS OF POWDER PUFFS AND PERFUMERY,
'Phone: North 2782. BLACK BULL WORKS, LONDON, N.

"SOLAZZI" LIQUORICE JUICE

THE CHEMISTS' BRAND.

'The Lancet' says: 'Of Standard Purity'

Recommended also by *The British Medical Journal, Health, The Chemist and Druggist, Food and Sanitation.*

Ask for SHOWCARDS and HANDBILLS. To be obtained of all Wholesale Houses.

Lofthouse & Saltmer, Ltd.

Wholesale and Export Drug Merchants, Manufacturing Chemists

HULL

Invite the Trade to take up the following valuable P.A.T.A. Protected Lines, bearing a very large Protected Retail Profit, which sell freely and are well known and valued by the Public in many parts of the country.

	Protected Retail Price.	Dozen Net.
*LOSALL'S SALT (well advertised), tins	6d.	3 6
* " " " " "	1/-	7/-
* " " " " bottles in cartons	1/6	10/6

** Losall's Salt sells so well, surely it must pay Pharmacists to stock such a big profit-bearing protected line.*

LOSALL'S COMPOUND SULPHUR SOAP.

A valuable emollient medicated skin soap, especially suitable for use in Eczema 1/- 8/-

Chemists requiring effective advertising matter for Losall's Salt, &c., will, on application direct to Lofthouse & Saltmer, receive a liberal supply of Dummies, Showcards, Window Slips, Price Tickets, &c., Carriage Paid, whether or no they have an account open with the Firm.

"IN PREPARATION."

Messrs. KAY BROTHERS, Ltd., beg to inform the trade that they will shortly be going to press with their popular Annual, the

"FAMILY REFERENCE AND FIRST AID BOOK," 1916,

revised and added to, containing 26 pages of interesting and useful reference matter, in stiff paper cover printed in colours; also

COUNTER BILLS

in two sizes, 11 in. × 9 in. and 6 in. × 7½ in. The larger size is specially adapted for Counter use and wrapping of 6 to 8 oz. bottles. The paper is of best quality, smooth, plainly printed *on one side only*, with large margin, and carefully cut.

Supplies of above are now being booked for winter delivery.

GRATIS, CARRIAGE PAID, PRINTED WITH NAME AND ADDRESS,

for chemists forwarding *two slip labels* and undertaking careful distribution. Population of district should be given, and in the case of the Almanacks house to house distribution should be promised, as this Annual is the finest of its kind published and a credit to any Pharmacy.

NOTE.—No Advertising Matter is sent out unless asked for.

Write at once, as applications are dealt with in rotation, and the edition is limited. Address Advertisement Department.

'LINSEED COMPOUND'

46 Years' Proven Efficacy For COUGHS and COLDS.

Sole Proprietors and Manufacturers—
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SYNTHETIC
PERFUME MATERIALS
ESSENCES - OILS - GREASES
LIQUORICE JUICE in STICK / BLOCK
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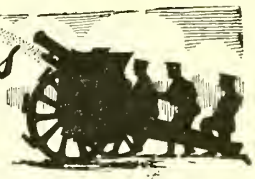
FUERST BROTHERS
17 PHILPOT LANE, E.C.

Telephone: 4350 London Wall.
Telegrams: "Fuerst, Grace, London."

Gun Deafness prevented

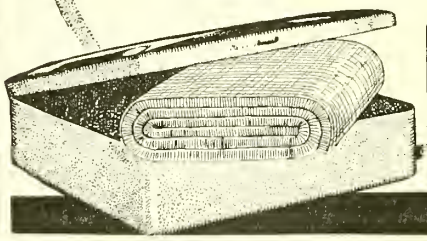


by the use of Harbutt's FIBROUS PLASTICINE.
Used by the War Office and Admiralty and by hundreds of our men in the firing line.

Harbutts FIBROUS PLASTICINE

Strongly advertised, and put up in attractive tin boxes to retail at 6d. and 1/-. This new line is worth your attention.

HARBUTT'S PLASTICINE, LTD.
6 Bathampton - - Bath.



PLEASE WRITE FOR TERMS AND SAMPLES.

Profit - - 33⅓% PROFIT ON COST
CHELTENHAM NATURAL APERIENT WATER.

Pleasure - Satisfied customers, who always want more.

Patriotism It is patriotic, and it is good business to supplant Apenta, Hunyadi and Carlsbad Waters by Cheltenham Natural Aperient Water.

THE NATURAL BRITISH PRODUCT.

Packed in Cases of 24 Bottles, 9/- per dozen.
Retail price (protected) at 1/- Bottle.

Order through Messrs. INGRAM & ROYLE, MAY, ROBERTS & CO., LTD., or direct from

THE CHELTENHAM NATURAL WATER CO.
Priory Court, Cheltenham Spa.

AN
ALL-BRITISH
XMAS LINE
for all British Chemists

¶ We invite you to make a special show now of

"ALL-BRITISH" VACUUM FLASKS

—the Flask that is ALL made in England, including the glass bottle.

AN IDEAL XMAS GIFT at prices to suit all classes.

¶ Write for further particulars to

AERATORS LIMITED,
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Essential Oils

EVANS SONS LESCHER & WEBB
Limited
Liverpool and London
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— GUARANTEED GENUINE —

White Medicinal Oils

(B.P. 1914, Paraffinum Liquidum)

Quality is the finest ever imported. Specific gravity .880/.890, which is alone recommended by the Medical profession for internal use. Lighter Oils do not have the same beneficial effect.

We have just received direct from Russia a large consignment, which is probably the last and only shipment during the War. We also have technical white oils of various specific gravities.

Samples, prices and descriptive circular on application, stating requirements.

SNOWDON, SONS & CO., LTD.,
MILLWALL, LONDON, E.

Telephone: East 433 & 434. Telegrams: "Snowdrift, Milleast, London."

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Buy from one of the Oldest Houses in the Trade.
Write for Prices. ESTABLISHED 1794.

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Best Quality Only.

RANDALL & SON,

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Wholesale and
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LIMITED,

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NEW YORK, U.S.A., WILLIAM STREET.

CAPITAL - £600,000.

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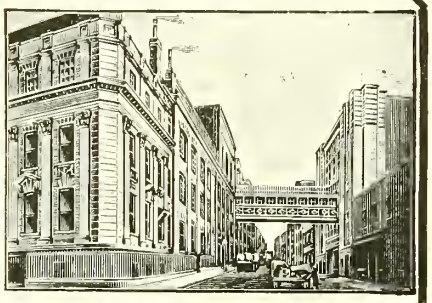

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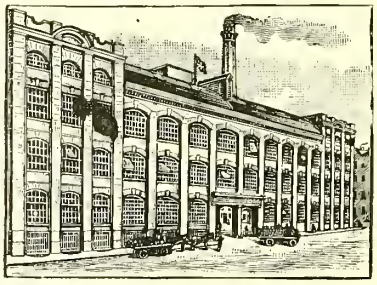

23 to 29 Fleet St., and 26 to 38 Wood St., Liverpool.

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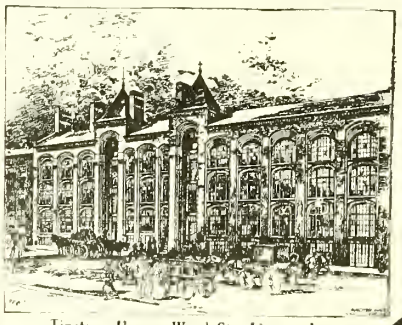

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Under the personal supervision of Directors as above.

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AND
Manufacturing Chemists.

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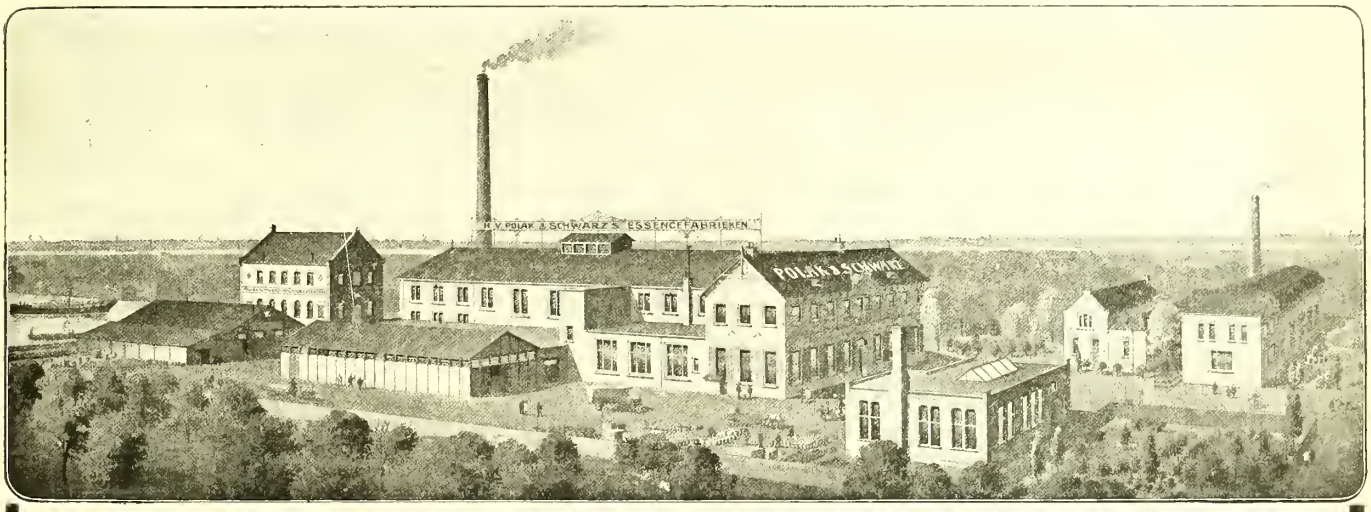

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THESE ARE SOME OF OUR SPECIALITIES.

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ALDEHYDES:
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SPECIAL PATTERNS FOR ANILINE DYES

THE "VENESTA" WAY

¶ Wastage, leakage and damage in transit—claims on Railway and Steamship Companies in consequence—loss from goods spoiled or deteriorated by the action of air and water, these disadvantages are all obviated by using

"VENESTA" KEGS

LIGHT — STRONG — WATERPROOF

¶ In addition they will save you money on actual Freight and Rail Charges by reason of their lightness and compactness.

¶ The reason of this lightness and compactness is that they are made from *"Venesta" Patent Waterproof Plywood.*

VENESTA LTD.

1 Great Tower Street, LONDON, E.C.

Manufacturers, under the "Venesta" Patents, of boxes, cases and trays of all descriptions for home and export.

ZETTS CLOTH BALL

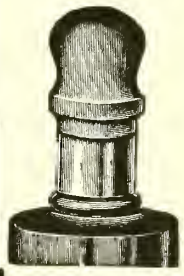
6d. size sells at **3d.**, cost **19/6** per gross.
1/- ,, ,, ,, **6d.**, ,, **39/-** ,,
Under 1 gross assorted, 1/9 & 3/6 doz.

O'NEIL, ZETTS & CO.

22 WALBROOK, E.C.

Scotch House:—Munro, M'Laren & Sutherland, Glasgow.

The Best Capping in the Whole World.



SEMREH

Self-Fixing and Air-Tight
BOTTLE CAPS
Far Superior to Pleated Paper or Leather Cappings
PROMPT DISPATCH.

Apply now for Booklet and full particulars:—
The Viscose Development Co., Ltd.
BROMLEY, KENT.

BROOKS, PEEL & CO., LTD.

Makers of Collapsible Tubes and Filling Machines for same. Patentees of Sprinkler and other Stoppers for Perfumes, Washes, &c. Screw Caps.

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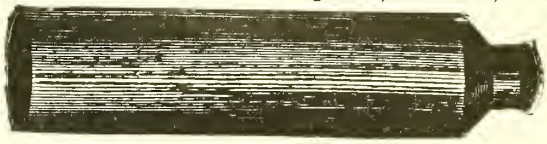


DO YOU BUY ESS. VANILLA?

Try VANOLEUM

Stronger than Vanilline. Soluble in Water.

26/- lb.

ARTHUR WHITTAKER,

Specialist in Colours and Flavours,
NEWTON HEATH, MANCHESTER

THE CHEMISTS'

Favourite·British·Brands

ATTRACTIVE XMAS PRESENTS.

VINOLIA

EAU DE COLOGNE

(TRIPLE CONCENTRATED)

8d., 1/3, 2/4, 4/6, 8/9 per Bottle,
also in wickered bottles at **3/9** and **5/9** each.

Vinolia Eau de Cologne (Triple Concentrated) is pronounced by people of refined, discriminating taste to be the finest production of its kind. It should be given a prominent display in every Pharmacy—it is a sure trade bringer.

ROYAL VINOLIA

REAL ENGLISH LAVENDER WATER

(EXTRA CONCENTRATED).

Made from Mitcham Lavender.
At **9d., 1/4½, 2/6, 3/6** and **4/6** per Bottle.

The delightful fragrance of this Lavender Water and its exquisitely cooling and refreshing properties combine to render it an article that must appeal to everyone. Specially prepared for high class Pharmaceutical Trade.

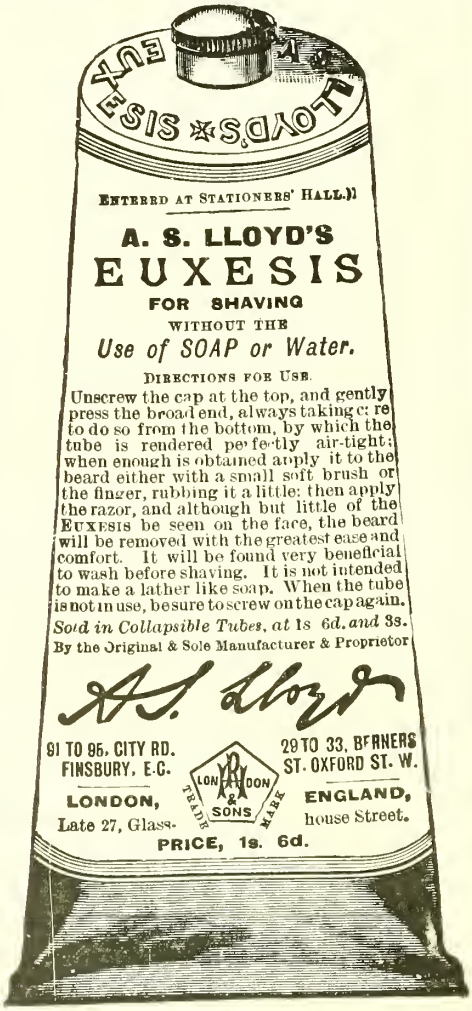
POPULAR AND ALWAYS SEASONABLE
READY SELLERS.
SHOULD BE STOCKED BY ALL PHARMACISTS.

VINOLIA CO. LTD., LONDON & PARIS. RV 208—29

A. S. LLOYD'S EUXESIS

(THE GENUINE.)

For Shaving without Soap, Water, or Brush.



Sold by all Perfumers and Chemists throughout the World.

R. HOVENDEN & SONS having purchased, under an administration suit, the Business of the late A. S. LLOYD, with the Receipt, Trade-mark, and Goodwill of the celebrated Euxesis, the Trade are cautioned that the original and genuine Euxesis is now manufactured at our Factory ONLY and may be obtained at either of our Warehouses at the following prices:

10/- *per dozen,* **9/6** *by the* 3 *dozen,* **9/-** *by the* 6 *dozen.*
Retails at **1/6** *the Tube;* **3/-** *size to order.*

NOTICE.—THE GENUINE A. S. LLOYD'S EUXESIS bears a label printed in BLACK only on a Yellow ground, with our Trade Mark at the bottom, as Illustration.

Proprietors: **R. HOVENDEN & SONS, LTD.,**
LONDON: 29-33 Berners Street, W.; and 89-95 City Road, E.C.

NEW MINIMUM RETAIL PRICES

CALVERT'S CARBOLIC Tooth Powder

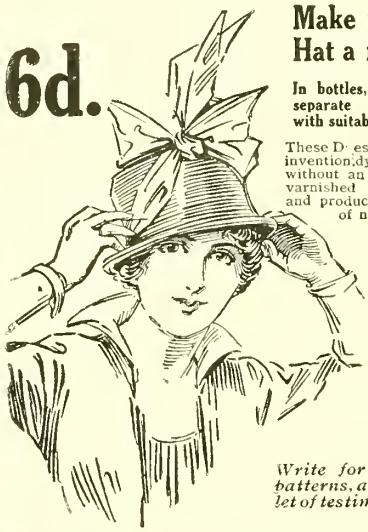
6d. size	-	now	**5d.**	retail
1/- ,,	-	,,	**10d.**	,,
1/6 ,,	-	,,	**1/3**	,,
5/- ,,	-	,,	**4/6**	,,

The minimum retail price for Calvert's Carbolic Ointment is now **1/1½**

Revised Price List, dated November 1, 1915, and new schedule of minimum retail prices, sent on request from

F. C. CALVERT & CO.
P.O. Box 147, MANCHESTER.

6d.



Make your old Hat a new one.

In bottles, 6d. each, in separate neat cartons, with suitable brush.

These Dyes are a distinct invention, dyeing the straw without an objectionable varnished appearance, and producing the effect of new goods.

NO GLOSS.
NO POLISH.

On the P.A.T.A.

Write for terms, patterns, also leaflet of testimonials.

"Luton" HAIR DYE

WHITAKER & CO., COLOUR WORKS, KENDAL, ENG.
London Depot: 60-62 Clerkenwell Road, E.C.
"Glossy" Series supplied if desired.
Special Non-Inflammable Series for Export. *Est. 1878.*
Telegraphic Address: "Dullette Kendal." Telephone: No. 214.

A. S. LLOYD'S EUXESIS.

For Shaving without Soap, Water, or Brush.

CAUTION.

The Labels on GENUINE EUXESIS bear two signatures—A. S. Lloyd in Black Ink, and that of his Widow, Aimée Lloyd, in RED. Refuse any other.

Sole Manufacturers and Proprietors: **AIMÉE LLOYD & CO.**

23 PANTON STREET (formerly named Spur Street), HAYMARKET, LONDON, S.W.

N.B.—When ordering from Wholesale Houses write LLOYD'S EUXESIS (WIDOW'S).

A NEW ERA IN

SAFETY RAZOR BLADES

IT'S ALL IN THE EDGE

It has only recently become possible to hone, sharpen and strop blades equal to new, owing to the recent invention of a special patented machine that holds the blades at the correct angle during several processes, and yet retains the human touch throughout the manipulation of the blades.

TRADE TERMS FOR SHARPENING:

DOUBLE-EDGE BLADES—
1 dozen and under ... 9d. per doz.
3 „ ... ... 8d. „

SINGLE-EDGE BLADES—
1 dozen and under ... 6d. per doz.
3 „ ... ... 5½d. „

SPECIAL PRICE FOR QUANTITIES.

ALL CASH WITH ORDERS. BLADES RETURNED FREE

All Blades to be free from paper wrappers.

WILLIAM P. KELLAND,
36 Camomile Street, London, E.C.

The Best Paying 1d. Line is

SOFTO

FOR CHAPPED HANDS.

WHOLESALE PRICES.

		s.	d.
1 gross "Softo" with 4 doz. bonus	- - -	6	0
½ gross „ „ 1½ doz. „	- - -	3	0
3 doz. „ „ 1 doz. „	- - -	1	9

A Chemist writes: "Please send our goods immediately, as the 1 doz. 'Softo' was cleared in a day."

The SOFTO Manufacturing Co.
33 Edgware Road, Park Lane, W.

DISPENSING BOTTLES & PHIALS.

CLEAR BLUE TINTED.—3 and 4 oz., 6 and 8 oz., 12 oz., 16 oz. Plain or graduated
BEST QUININE, TINTED.—3 and 4 oz., 6 and 8 oz., 12 oz., 16 oz. Plain or graduated
WHITE PHIALS.—½ oz., 1 oz., 1½ oz., 2 oz. Plain or teaspoons.
BLUE LOTION BOTTLES.—½ oz., 1 oz., 1½ oz., 2 oz., 3 oz., 4 oz., 6 oz. 8 oz., 12 oz.
PANEL BOTTLES.
We send six gross assorted or otherwise, carriage paid within seven miles, and to certain stations. Particulars on application.
CORKS.
Good quality. No advance in price: 6 and 8 oz. bottles, 9d. per gross in 6 gross bags. Vials 6d. per gross in 3 gross bags.

I. ISAACS & CO.,
106 MIDLAND ROAD, ST. PANCRAS, LONDON, N.W.
Or ISLINGTON BOTTLE COMPANY, 7 New Inn Yard, Tottenham Court Road, London, W.
Orders sent to either establishment have attention.
Established 100 Years.

SUPPORT HOME INDUSTRIES.

Estd. 1777.

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BUY KENT'S BRUSHES.

Summer Issue, 1915, pp. 62, 63.
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RADIUM COMPOUNDS, &c.

GLEW'S RADIUM LUMINOUS PAINT.
(Originated 1904.)
For Clocks, Watches, Compasses, from 5/- per grain.
Mesothorium Luminous Paint, from 2/8 per grain.
(Not less than 10 grains supplied.)

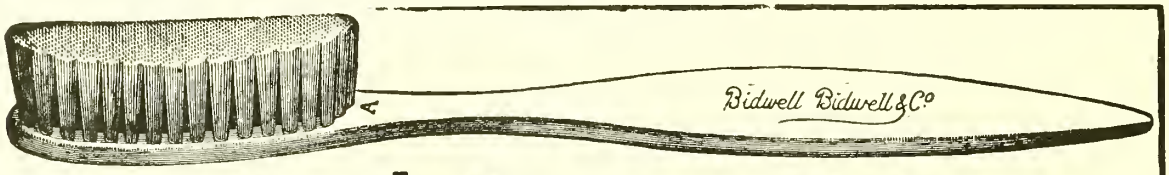
PURE SALTS OF RADIUM & MESOTHORIUM.
Ionium, Actinium, Radio-Lead.

RADIO-ACTIVE SOIL FERTILISERS
of guaranteed strength.

GLEW'S PATENT SCINTILLOSCOPES, &c.

Applicators prepared. Radium Salts Bought, Sold, Exchanged, and Certificated against International Standards.

F. HARRISON GLEW, M.P.S., *Radiographer,*
156 Clapham Road, LONDON, S.W.



BIDWELLS' TOOTH BRUSHES.

NO LOOSE HAIRS.

Please send for Catalogue—
BIDWELL, BIDWELL & CO., Ltd., AXMINSTER, DEVON.
LONDON OFFICE: BUSH LANE HOUSE, CANNON STREET, E.C.

The number of dentifrices is myriad, their names are legion.
But—
in principle and in efficiency there is but one,

CALOX

THE OXYGEN TOOTH POWDER.

Its principle is the evolution of oxygen.
Its efficiency as a cleanser of the teeth is due to the oxygen which it generates when used.

Not only antiseptic, but deodorant, two desirable properties of a tooth powder. Its oxidizing and deodorizing power was obvious in our experiments.—THE LANCET, *London, Eng.*

Possesses not only strong antiseptic, but deodorizing and oxidizing properties, as the result of which the teeth, after a few days' use of CALOX acquire a pearly whiteness.—THE CHEMIST AND DRUGGIST, *London.*

CALOX is entirely different from other dentifrices. Its introduction marks a decided advance in the scientific development of a dentifrice, a fact which the dental profession the world over has been quick to recognise. Chemists should interest themselves in Calox because only a chemist can explain the peculiar virtues and value of an oxygen-producing dentifrice.

Price to the trade, 9/6 per dozen on the P.A.T.A plan.

McKESSON & ROBBINS, New York, U.S.A. ***Manufacturers.***
BRITISH DEPOT— G. B. KENT & SONS, Ltd., 75 Farringdon Road, London, E.C.

"THE STANDARD OF PURITY"

Petroleum Jelly
B.P. 1915.
WHITE, YELLOW, ORANGE, LEMON.

PAR. MOL. AGITAT.
ALB. & FLAV.

Liquid Paraffin
PAR. LIQ. B.P. 1914.
ODOURLESS. TASTELESS. COLOURLESS.
S.G. '860—'890

WHOLESALE ONLY:—
STERN SONNEBORN OIL CO., LTD.,
Royal London House,
Finsbury Square, London, E.C.
Works:—Burdett Oil Wharf, Stepney, London, E.

White Half-white and Coloured Oils
YELLOW, GREEN, RED, ETC.
For BRILLIANTINES.

Petroleum Jelly

White, Yellow, Amber, & Ruby Red, for all Pharmaceutical and Veterinary purposes

MEADE-KING, ROBINSON & CO.
LIVERPOOL - - - MANCHESTER

"Vaseline"

AND

Paraffinum Molle, B.P. 1914.

Alteration in Official Characters, which makes "VASELINE" still more necessary.

Pharmacists, like Physicians, are well aware of the fact that "VASELINE" is the original preparation upon which the therapeutic reputation of Petroleum Jelly was built.

THE word "VASELINE" was not entered in the British Pharmacopœia, 1898, because it was our "Trade Mark," and we could not afford to surrender it, but in place thereof the phrase "Paraffinum molle" (meaning soft paraffin) was invented and adopted, being intended to represent a substance identical with "VASELINE"; in fact, the "characters and tests" in the Pharmacopœia were a correct description of "VASELINE," which thus became the official standard. It is to be regretted that the British Pharmacopœia, 1914, omits the specification "*free from acidity, alkalinity, or any unpleasant odour or flavour, even when warmed to* 120° *F.* (48·9° *C.*)," but this omission makes it all the more necessary that Medical men should prescribe "VASELINE" and not Paraffinum molle. In respect to the omitted characters, "VASELINE" remains of the highest degree of purity, and it may be inferred that commercial varieties of soft paraffin do not accord with these stricter requirements of the old Pharmacopœia.

As these articles or preparations are sometimes prescribedby Medical men, and Pharmacists dispense under the mistaken impression that they are the "same things as 'VASELINE,'" it is important that they should observe the characters which make "VASELINE" a substance *sui generis*, and in the interest of the Public and of Physicians it should be clearly understood:

1*st*. *That any kind of "Paraffinum molle" is not* "VASELINE," *in method of manufacture, composition, or medicinal properties, soft paraffin being quite another and a different preparation from* "VASELINE."

2*nd*. *That "Paraffinum molle" has come to mean a semi-solid, unctuous petroleum product which may be worthless and even noxious, varying in quality and colour from axle-grease up, and the great bulk of which is sold as similar to our product, and on the reputation for value obtained by* "VASELINE."

3*rd*. *That* "VASELINE" *is not only valuable as a vehicle, but has great therapeutic value of its own, both for external and internal use, and as a destroyer of germs and micro-organisms. Soft paraffin, on the contrary, even if safe to use, has no medicinal value, and is simply a vehicle. One ounce of soft paraffin usually obtainable, taken internally, might produce disagreeable results, whilst* "VASELINE" *is entirely harmless internally, and indeed, of the greatest benefit in inflammation of the throat, chest and stomach, as well as a safe and sure laxative and intestinal lubricant.*

We may also remind members of the medical and Pharmaceutical Professions that the discovery of "VASELINE" has proved to be of great importance in Medicine, Pharmacy, and the Arts. This Company has spent nearly a million pounds in building its works and introducing its products; it cannot afford, therefore, and should not be asked, to surrender its Trade Mark.

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EDWARDS' HARLENE CO. beg to give notice that in spite of the great difficulties raised by War conditions they are still able to complete at the shortest notice all trade orders for:—

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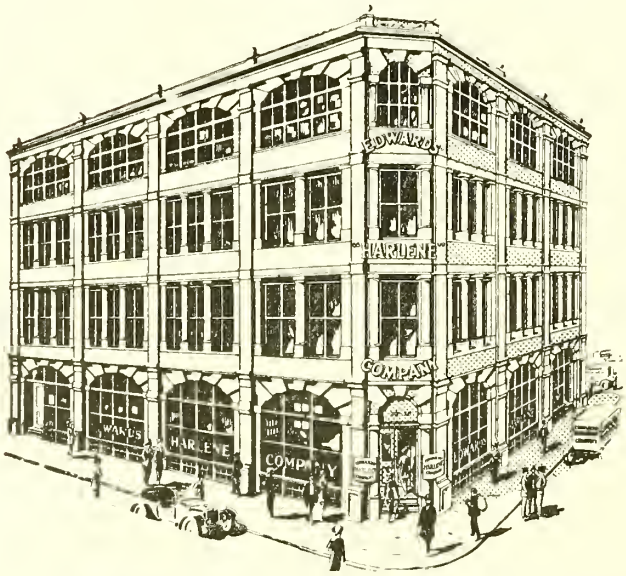

As heretofore, an extremely generous and bold advertising campaign has been carefully thought out, and distributing wholesale houses and retail chemists would be well advised to keep stocks fully replenished.

A feature of the new Season's Advertising is an addition to the Harlene Hair Drill Free Gift which now includes:

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3. A bottle of "Uzon" Brilliantine which gives a final touch of beauty to the hair.

4. The secret "Hair-Drill" Manual giving complete instructions for carrying out this world-famous hair-growing exercise.

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All correspondence should be addressed to

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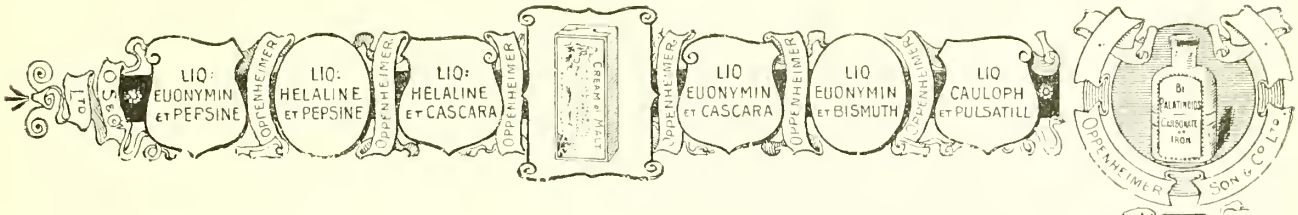

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No. 36

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A Weekly Journal of Pharmacy and of the Chemical and Drug Trades
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Head Office: 42 CANNON STREET, LONDON, E.C.
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The recruiting problem is settled, so far as chemists are concerned; see the notes on the next page, and a leaderette as to the limitations of the provision on p. 51.

SUMMARY. At the eleventh hour dissatisfaction with the 1915 Insurance dispensing arrangements is forcibly expressed (p. 62), Mr. Body calling upon all chemists to write to Mr. Woolcock postcard replies to questions given on p. 56. Scottish chemists are declining to renew their agreements (p. 57), and Mr. Roberts has written to each of them (p. 46 and p. 57). Much other news, a full market report, and several practical articles are in this number, as the "Contents show."

The "C. & D." Annual Subscription.

OWING to the changes in the newspaper postal rates, which came into force on Monday, November 1, the cost of delivering THE CHEMIST AND DRUGGIST has been much augmented, and it has become necessary to increase the annual subscription rate from 10*s.* to 12*s.* 6*d.* Changes of this nature are contemplated by the Post Office and Telegraph Act, 1915 (which creates the new rates), Section 2 (1) being as follows:

> "Any contract for the supply or delivery to subscribers of newspapers, periodicals, or other publications at rates including postage, so far as the contract includes the supply or delivery of publications the rate of postage on which is increased after the passing of this Act, and before the first day of January, nineteen hundred and sixteen, may be determined by any party to the contract as from the date on which the rate is raised by notice given to the other party to the contract not later than fourteen days after the increase of rate takes effect."

Notwithstanding this provision, and that the postage on each issue will never be less than double the old rate, all that is proposed in the case of THE CHEMIST AND DRUGGIST is to charge the 12*s.* 6*d.* rate for all *new* subscriptions dating from December 1, 1915, and the same for new and renewal subscriptions dating from January 1, 1916, and thereafter. The increase of 2*s.* 6*d.* represents part only of the outlay incurred at this time, as it is not proposed to diminish the interest and utility of the *C. & D.*, but to maintain it as a weekly publication of unimpaired value. Subscribers who receive from the Publisher notice that their subscriptions expire at the end of November are particularly requested to renew promptly, as our subscription department is exceptionally pressed with work at this season, and war conditions are increasing the work greatly.

European War.

A Year Ago To-day.

(*War News in "C. & D.," November 28, 1914.*)

An amendment of the Trading with the Enemy Act was introduced in the House of Commons, appointing custodians of enemy property in this country and preventing the formation of joint-stock companies in the interest of enemies. We printed an illustrated account of the havoc wrought by the German invaders in Antwerp, and gave further details of the Belgian pharmaceutical refugees in this country. The "Office Pharmaceutique," which the French Government had set up in Paris, was described. Sir William Tilden lectured at the Royal Society of Arts on the supply of chemicals. Sir William Ramsay, who presided, characterised the Germans as "untrustworthy, unscrupulous, and cruel"—a summing-up which has since been amply justified by events.

Pharmaceutical Roll of Honour.

Non sibi sed patriæ.—CICERO.

SIXTY-SECOND LIST.

BISSET, Private JAMES (son of Mr. James Bisset, Ph.C., Burntisland), R.A.M.C.

BLACKBURN, R., chemist and druggist (manager for Mr. G. Squire, Sharrow Lane, Sheffield), Reserve B. Class, R.A.M.C.

CAMERON, Private W. H. (lately with Bisset & Gilmour, Burntisland), R.A.M.C.

FARRAR, T. (lately assistant with Watson & Co., cash chemists, Tooting), Honourable Artillery Company.

FAULKNER, ROSCOE (younger son of Mr. W. Faulkner, pharmacist, 168 Clarendon Road, London, W.), "Artists'" Rifle Corps.

FRASER, CAMPBELL (formerly apprentice with Baildon & Son, Princes Street, Edinburgh), R.A.M.C.

FRASER, JAMES (formerly apprentice with Baildon & Son, West End, Edinburgh), Royal Engineers.

GERRARD, JAMES (late assistant with Mr. Owen Dewar, pharmacist, Greenock), 5th Battalion Argyll and Sutherland Highlanders.

GILBERT, PERCY (lately apprentice with his uncle, Mr. J. Gilbert Jackson, Sheffield), R.A.M.C.

GOBEY, GODFREY A. (lately assistant in Dellers' Pharmacy Department, Paignton), Wessex Divisional Cyclist Company.

GREGSON, JOHN (recently with Eardley & Furnival, Sheffield), R.A.M.C.

HAWKINS, Corporal H. (lately assistant with Watson & Co., cash chemists, Tooting), Royal Field Artillery.

HAY, Private R. (lately with Mr. James Bisset, chemist, Tayport), R.A.M.C.

JASKIN, Lieutenant CHARLES (lately assistant with Fitch & Ibbotson, pharmacists, London, W.), 4/4th London Regiment, Royal Fusiliers. Lieutenant Jaskin has recently returned wounded from France.

JOHNSON, Sergeant GEORGE (lately assistant with Fitch & Ibbotson, pharmacists, London, W.), R.A.M.C., stationed at Malta.

MAHEE, JOHN D. (served apprenticeship with Mr. G. Gilmore, chemist, Kilkenny, lately with Hayes, Conyngham & Robinson, Kingstown), South Irish Horse.

MILLAR, Sergeant DOUGLAS (lately with Mr. James Bisset, chemist, Tayport), 15th Royal Scots.

PIRNIE, Private J. D. (lately with Mr. R. Nicoll, Ph.C., Rosemeath Street, Edinburgh), Royal Engineers.

REID, STEWART (lately assistant with Baildon & Son, Princes Street, Edinburgh), 9th Royal Scots (Highlanders).

STOPFORTH, R. (son of Mr. R. Stopforth, of Rowand & Co., manufacturing chemists, Liverpool), 6th King's Liverpool.

WOODHEAD, WILLIAM (lately chemists' assistant with Professional and Civil Service Supply Association, Ltd., Edinburgh), Lothian Border Horse.

[*Chemists' assistants and others enlisting under Lord Derby's scheme in the Reserve are requested to indicate this fact when communicating the information to the Editor. See next page.*]

THE following students from the Liverpool School of Pharmacy (Mr. H. Humphreys Jones, F.C.S.), have recently offered themselves to the military authorities: J. W. Edwards, L. Turnpenny, E. S. Dutton, P. R. Collis, T. H. Jones, and S. Chapman.

THE Canadian journals of pharmacy received by the last mail contain lists of pharmacists and others connected with the drug-business who have gone to the Front. The "British Columbia Pharmaceutical Record" gives the names of fifty-three persons, of whom Charles W. Little, Vancouver, is reported as dead, and Sergeant Charles Moodie as killed at Langemark. Two of the dispensers have obtained commissioned rank—namely, Mr. L. D. Orr and Mr. A. R. Mann, both of whom have been made lieutenant-dispensers. They are attached to No. 5 General Hospital, Shorncliffe. Writing to the "Canadian Pharmaceutical Journal," Lieutenant Mann says that he and Lieutenant Orr have the honour to be the first pharmacists

to receive a commission in the Canadian or British Army—that is, working as pharmacists. This, he adds, is "the result of hard work at Ottawa by the Pharmaceutical Association."

Export Notices.

Denmark.—The exportation of the preparations of cresol and stearine candles has been prohibited from Denmark.

Netherlands.—The exportation of antimony, oxalic acid, and sodium lye was prohibited by Royal Decree on November 12.

Norway.—The prohibition of the exportation of stearine now includes fatty acids.

Sweden.—The exportation of the following articles was prohibited as from November 15: Coal-tar, and other tar produced from fossil substances (including coal-tar which, on drying, has the same effect as asphalt lac-varnish); coal-tar prepared (by the addition of lime, chalk, clay, asbestos, or other similar mineral substances) for covering roofs, etc.; creosote oil, benzol, carbolineum, and anthracene oil; scented soap.

United Kingdom.—The exportation of cotton-wadding and cotton-wool is, by "Gazette" notice, prohibited to all destinations.

Recruiting

A deputation headed by Mr. W. S. Glyn-Jones, M.P., and representing the Pharmaceutical Society and other bodies, was received by Mr. Charles Roberts, M.P. (Chairman of the National Health Insurance Commission), Sir Robert Morant, and other officials, at the offices of the Commission, Wellington House, on November 18. There were also present Mr. White (President of the Pharmaceutical Society), Sir Jesse Boot, Mr. Woolcock, Mr. Milne, Mr. Murison, Mr. Lewis (representing the Drug Companies' Association), Sir Edward Evans, Mr. J. C. Umney, and Mr. C. A. Hill (representing the wholesale drug trade). Mr. Charles Roberts, in the course of his reply, stated that the Commissioners were fully alive to the importance of the question of recruiting as affecting the profession, and at the moment negotiations were proceeding with other authorities in regard to the matter.

The conference here referred to was mentioned in the *C. & D.* last week, and was timely, for the official Press Bureau issued on Saturday a statement of the conditions upon which reserved classes of workers may join the Army Reserve. The classes are numerous, but the following are those which are allied to the chemical and drug business:

Cardboard-box Making.—Departmental manager, form setter.

Chemical trades.—Chemist, foreman, overlooker, process man. Chemist (analytical).—Chemical trades, lubricating oils and other lubricants (manufacture of), wholesale manufacturing druggists. Chemist in the sense of a person dispensing medicines under the National Insurance Acts.

Druggists (wholesale manufacturing).—Analytical chemist.

Glass.—All workers in glass house (known variously as gatherers, blowers, makers, finishers, melters, chairmen, servitors, foot-makers, furnacemen).

Processman (chemical trades).

Lubricating oils and other lubricants (manufacture of).—Chemist, greasemaker, manager, oil blender, oil blower, oil cooper, oil distiller, oil examiner, oil filler, oil filterer, oil pressman and bagman, oil pumpman, oil refiner, pitchman, tar and resin refiner.

Certain other oil-trades men are included. The conditions which have to be observed have been exceptionally well expressed by Lord Derby in a letter of November 19 to the London Chamber of Commerce, in which he says:

"Where a question is raised by an employer that a man in his employment is indispensable for the carrying on of his business, the application will go to the local tribunal for the area in which the place of employment is situated. The City Corporation has set up a local tribunal for dealing with City cases, which, therefore, will be dealt with (as you express the hope they should) in the district where the business is carried on.

"The military representative in each area will have to assist him an Advisory Committee composed of persons conversant with the interests both of employers and employed in the locality. Where a claim for the postponement of the calling up of a man has been sent in, he will not be called up until the claim has been decided. All claims will go in the first instance to the military representative, and will be considered by him in consultation with the Advisory Committee, and if they come to the conclusion that the claim is a reasonable one it will be assented to without the necessity of any proceedings before the local tribunal.

"It is important that employers should urge upon their men whom they consider indispensable *to join the Army by being attested for the Army Reserve*, so that they may immediately return to their civil occupation until they are called up for actual service. If men enlist in the Regular Army or the Territorials for immediate service it is impossible for the local tribunals to deal with any question about them."

The italics are ours. The Central Tribunal has been appointed, and consists of Lord Sydenham, G.C.M.G. (Chairman), Sir George Younger, Bart., M.P., Sir Francis Gore, K.C.B., Mr. Cyril Jackson, and Mr. G. J. Talbot, K.C. These Commissioners are to deal with cases referred to them from the local tribunals.

Trade with China and Siam.

The "London Gazette" of November 19 contains an additional list of approved consignees in China, among which are the following: Bow On Drug Co., Canton; Chung Hang Co. Dispensary, Canton; Chung Mei Drug Co., Canton; Chung On & Co., Canton; Foochow Pharmacy (Lu Si U.); Hua Mui Dispensary, Swatow; Iah Keng Dispensary, Swatow; Iah Siu Dispensary, Swatow; Iak Sang Dispensary, Swatow; Jim Ann Dispensary, Swatow; Kwong Chek Dispensary, Swatow; Lam Fong Drug Co., Amoy; Loa Wai Dispensary, Canton; Luk Wo Dispensary, Canton; Dr. S. P. Nye, Canton; Pao Chen Dispensary, Swatow; Po Wai Dispensary, Canton; Siu Leng Dispensary, Swatow; Swatow Dispensary; Tai On & Co., Canton (the Canton Medical Hall); Wah Mei Dispensary, Canton; Yik Sang Dispensary, Swatow; Yoan Siu Dispensary, Swatow; Boon Mee Dispensary, Bangkok; Hoh Leng Dispensary, Bangkok; Dr. R. E. G. Tilleke, Bangkok. The See Kak Dispensary, Bangkok, is removed from the list.

Personalia.

Mr. N. Barnes, son of Mr. W. J. Barnes, chemist and druggist, Dover, has received a commission in the Buffs (East Kent Regiment).

Mr. Stuart Cuxson, Second-Lieutenant 9th South Staffords, son of Mr. J. Cuxson (Cuxson, Gerrard & Co., Ltd.), surgical-dressing manufacturers, Oldbury, has sailed with his regiment for the Front.

Mr. Frank Victor Jaques, who has been gazetted to a second-lieutenancy in the Cheshire Regiment, was an apprentice in the Belvoir Street branch of Boots, Ltd., Leicester, before winning a scholarship at Sandhurst this year.

Mr. Herbert Frank Simnett, chemist and druggist, 23 England's Lane, Hampstead, London, N.W., late of the 3rd City of London Field Ambulance, has been appointed lieutenant-quartermaster of the 103rd Field Ambulance, stationed at Warminster.

Private James Sutcliffe, of the 7th Battalion West Riding Regiment, who was assistant to Mr. William Calvert, chemist and druggist, Kirkgate, Settle, Yorks, was one of the wounded who were rescued from the *Anglia*, as was also Sergeant-Major H. Furniss, Mr. Calvert's brother-in-law.

Lieutenant Hildreth Glyn-Jones, of the Middlesex Regiment, the elder son of Mr. W. S. Glyn-Jones, M.P., is now lying in hospital, Malta, suffering severely from dysentery, which attacked him at Gallipoli. Professor Gulland, M.D., who is one of the specialists retained by the Medical Department, has visited the hospital where the lieutenant lies, and has telegraphed a reassuring message as to his condition.

Mr. Edward Warrick, nephew and co-director of Mr. F. W. Warrick, Ph.C., F.C.S. (Warrick Bros., Ltd., Nile Street, London), who is known to many of our readers, has a commission in the 40th Divisional Train; and his brother, Mr. Tom Warrick, late apprentice at Dunkley & Rogers', Tunbridge Wells, is a sergeant in the Royal Fusiliers (lately the Public School Battalion). Another brother (home from Chile) is a lieutenant in the A.S.C. in France; a fourth has a commission in the 9th West Yorkshires, at present at the Dardanelles; and a sister is a nurse on the *Asturias* hospital-ship.

On the outbreak of war the two elder sons of Mr. John Bain, pharmacist, Lime Street, Liverpool, hastened to the Liverpool Scottish headquarters to enlist. The elder (J. M. Bain) was at once accepted. He went to the Front with his battalion. Wounded in the head and side during the Hooge charge, he was sent home, but, having almost recovered, he is serving at present on the recruiting staff prior to returning to the battlefield. The younger (Colin J. M. Bain) was put back for a few months on the score of being under age, but he soon found a place in the ranks of the 6th Liverpool. Recently he had a narrow escape of capture. On coming off listening post duty close to the German lines he entered a stable to rest and fell asleep through fatigue. When he was missed two of his comrades crawled back two miles and awakened him at dawn, just before the Huns visited his resting-place. All three got back to the trenches in safety.

Miscellaneous.

Liquor Control.—The restriction of the hours for selling spirituous liquors, referred to last week (p. 36), was applied to the London area by order of the Central Control Board gazetted on November 19. The terms are the same.

Corner for Students.

Conducted by Leonard Dobbin, Ph.D.

Communications should be addressed Corner for Students, "The Chemist and Druggist," 42 Cannon Street, London, E.C.

Qualitative Analysis.

A MIXTURE of not more than three salts will form the subject of the next exercise in qualitative analysis. The mixture will comprise acids and inorganic bases occurring in the British Pharmacopœia, and is to be submitted to a thorough systematic examination, all its constituents are to be detected, and proof is to be given that the substances detected are the only constituents of the mixture.

Students' applications for portions of the mixture of salts (accompanied by a *stamped and addressed envelope*, not a stamp merely) will be received up to Tuesday, December 7, on which day the samples will be posted. Students' reports will be received up to Saturday, December 18. Each report should contain a concise account of the work done, and should include a list of the constituents detected. In this list any substance regarded as an accidental impurity should be distinguished from the essential constituents of the salts composing the mixture.

The analysis announced above forms the second exercise in the analytical tournament for the current winter session. The usual monthly first and second prizes in this series of analyses will be awarded only to apprentices or assistants who are preparing for the Qualifying examination of the Pharmaceutical Society of Great Britain or of Ireland, which fact *must be attested on their reports*. Students who adopt a *nom de plume* must adhere to it throughout the tournament.

Personalities.

Authenticated notes are inserted without charge if not in the nature of advertisement, and subject to Editorial approval.

Mr. Harold Miller, Cheltenham, has been elected a member of the Executive Committee of the Cheltenham Traders' Association.

Mr. J. W. Privett, pharmacist, Old Road, Clacton-on-Sea, has passed the Final examination of the Spectacle-makers' Company.

Mr. E. G. Swift, general manager of Parke, Davis & Co., Detroit, Michigan, while manager of the firm's factories at Walkerville, Ontario, was Mayor of that city for three years.

Miss I. Robertson, assistant dispenser, Paddington Poor-law Infirmary, has had her salary raised from 90*l.* to 120*l.* a year, subject to her remaining with the Guardians for twelve months.

Mr. S. A. Walton, of Walton & Curtis, Ltd., orthopædic specialists, 190 Broadhurst Gardens, West Hampstead, London, N.W., is about to make a business visit to Canada and the United States.

At the Imperial Hotel, Russell Square, on November 19, Bro. Norman Colbeck (dispenser at the Holborn Infirmary, Archway Road, N.) was installed Worshipful Master of the Rose of Denmark Lodge, No. 975.

Mrs. W. S. Glyn-Jones is a member of the Committee, presided over by Mrs. Creighton, which has been appointed by the Public Control Committee to inquire into the alleged increase of drunkenness among women.

Mr. Thomas Critchley, J.P., and Mr. R. Lord Gifford, J.P., Ph.C., pharmacists, and Mr. William Woolley, J.P., manufacturing druggist, Blackburn, have been appointed to exercise the powers conferred by the Lunacy Acts.

Dr. Major Greenwood has been appointed deputy-coroner of the north-east district of London, comprising Shoreditch, Bethnal Green, Stoke Newington, and Hackney. Dr. Greenwood is well known on account of his opposition to the National Insurance Act.

Mr. Alderman A. Sidney Campkin, J.P., is the subject of a biographical sketch in the "Cambridge Chronicle and University Journal." It deals chiefly with Mr. Campkin's work in the municipal sphere, but refers briefly to his pharmaceutical career. An excellent portrait is given.

German Barbarities in Belgium.—The Paris "Temps" states that M. Louis Severin, pharmacist, Rue Duquesnois, Brussels, who was arrested by the German military authorities and put into prison for having aided young Belgians to escape into Holland and condemned to death, has not been executed (*C. & D.*, October 30, p. 36). The reasons for the postponement have not been divulged.

English and Welsh News.

Subscribers are invited to send to the Editor newspapers containing matters of trade interest. The items should be indicated.

Birmingham.

Owing to the ignition of a flask containing acetone a young worker at Dunlop's rubber-works was badly burnt and had to be removed to the General Hospital.

Owing to the breaking of a carboy of nitric acid the fumes overpowered a young man named Bernard Sinister, and he died from deep congestion of both lungs, due to inhalation of acid-fumes.

The postal facilities are being curtailed in Birmingham and Coventry, and traders should make themselves acquainted with the somewhat drastic changes. The chief office at the latter city will open at 8 A.M. and close at 8 P.M.

The following is the advice as to magnesia given by the Birmingham Pharmaceutical Association's Council:

1. When "magnesia" is asked for it is possible the customer may require (*a*) magnesia, B.P., (*b*) magnesium carbonate, (*c*) fluid magnesia, or (*d*) effervescent citrate of magnesia, so-called. If one of the two last-named is needed there is usually little difficulty in arriving at an understanding of the customer's requirements; but usually the public does not appreciate the difference between magnesia and magnesium carbonate, and if it is understood that the carbonate is required *it should be distinctly labelled as such*. It should also be taken that the same requirements apply to the sale of all drugs—namely, that it is most important to ascertain the customer's exact requirements, and to label with the correct pharmacopœial names of the drugs sold.

2. It is believed that pharmacists do not properly appreciate the rapidity with which magnesia deteriorates upon exposure to the air, and it is desired to impress upon them that it is quite unsafe to keep this drug packed ready for sale, either in boxes or in paper packages. The cost of bottles being prohibitive for small sales, it is recommended that for such sales magnesia (as distinct from the carbonate) be not kept ready packed, but that it be sold *direct from the bottle*.

Liverpool.

Several withdrawals from the Insurance panel are anticipated in the central area owing to dissatisfaction at the revised Tariff.

The visit to Liverpool last week of Mr. William Kirkby, M.Sc., Manchester, witnessed the fraternity long and happily existent between the pharmacists of the two Lancashire cities. Mr. Kirkby was entertained at dinner by Mr. W. P. Evans (president-elect of the Liverpool C.A.) in the Exchange Club, Mr. W. H. Saunders, Mr. Harold Wyatt (Bootle), Mr. D. H. Evans, and Mr. John H. Robinson (Hon. Secretary of the C.A.) being also of the party.

A young woman in nurse's uniform hurriedly entered a Liverpool pharmacy the other day, and invoked aid for her female patient, who had swallowed at a gulp thirty-two doses (4 oz.) of syrup of hypophosphites. The *locum tenens* in charge, on hearing that the patient was vomiting, assured the nurse of the beneficence of nature, and ordered her to summon a doctor. A doctor could not be found, but a police-officer called the hospital ambulance and had the woman removed. She has progressed favourably.

Sheffield.

Mr. James F. Simon, Ph.C., late of Sheffield, has joined the staff of Boots, Ltd., to act as a working superintendent in the manufacturing department.

Miss Jessie Boulter, chemist and druggist, and manageress for Mr. J. S. Appleton's Hillsborough branch, has received notice that she has passed the Final examination of the Worshipful Company of Spectacle Makers.

Lord Derby's recruiting scheme has appealed to most of the younger generation of pharmacists, and quite a number has decided to enlist under the Reserve B Class. The local tribunal is a sound Committee, with Sir Wm. Clegg as Chairman.

Dr. Christopher Addison, Mr. Lloyd George's assistant in the Munitions Department, was at one time Professor of Anatomy at University College, Sheffield, and frequently attended the functions of the local Pharmaceutical and Chemical Society.

The Sheffield Board of Guardians at their last meeting recorded its great appreciation of the services rendered by the dispenser (Mr. H. Antcliffe) in connection with the reception of sick and wounded soldiers into the institution during the past year.

Mr. G. T. W. Newsholme, J.P., F.C.S., has been elected first Chairman of the South Yorkshire Joint Poor-Law Committee, which has been formed by a special Order of the Local Government Board, and covers nearly all the towns in South Yorkshire. The object of the combination is to deal with the feeble-minded and epileptic cases.

Various statements have been made regarding the drug-trade of Sheffield. On close inquiry we are assured that trade in the centre of the city, both at the store chemists and ordinary pharmacists, was never better. The falling-off in Insurance work does not appear to be due solely to enlistments, as they are more than balanced by the workmen coming into Sheffield to such an extent that it is impossible to house them, the Corporation having to take the men by 'bus to the outlying villages. One fact that appears to account for the smallness of Insurance dispensing is that any workman, unless he has a very good reason for staying away from work, finds himself before the Munitions Tribunal.

Contracts.

Since our last issue the following items have been received :

Bradford Guardians have ordered ten medicine-chests from Walter Pickering & Sons at 9*l.* 5*s.* each.

Eltham (Kent) Guardians. The drug-contract with Corbyn, Stacey & Co. has been extended by three months, prices to be according to fluctuations of the market.

Lambeth Guardians. The British Drug Houses, Ltd., has asked to be allowed to charge 65*l.* 14*s.* 8*d.* in excess of the contract rates in respect of drugs supplied to the infirmary under their contract during the last quarter, owing to increased war prices. The medical officer reported that as far as could be ascertained the extra charges made for ordinary drugs were well within the market increases and could be regarded as reasonable. The Board decided to pay the increase.

Lowestoft Guardians have decided to meet the extra cost of medicines incurred by the infirmary medical officer.

Romford. The Guardians have agreed to pay Mr. W. S. Steeples, chemist and druggist, increased war prices for drugs supplied by him under contract.

Miscellaneous.

A Fire occurred in a drying-room at the Wheatfield Bridge Mills, Chesterfield (Robinson & Sons, Ltd.), on Wednesday, and before it was extinguished several hundred pounds' damage was done.

Darlington Chemists have issued, through the Pharmaceutical Association, a list of chemists who are open at night, Sundays and Bank Holidays. The Insurance Committee has asked them to exhibit the card in their windows.

Opium Exportation.—Two Chinese seamen, Wong Yung (30) and Ah Soy (28), were fined 40*s.* each in London on Wednesday, for attempting to take out of the United Kingdom 11 lb. of opium. The opium was forfeited.

Buxton Urban District Council has applied to the Local Government Board for a provisional order to empower them to bottle and sell Buxton mineral water outside their district. An inquiry has accordingly been held in Buxton.

Bright Lights.—At Wood Green, London, N., on November 19, James Jenkins, 352 High Road, Wood Green, described as a chemist, was fined 5*l.* 2*s.*, or six weeks' imprisonment, for failing to reduce the intensity of the inside lighting of his shop on November 5.

Bicentenary Presentation.—The presentations to Mr. F. J. Hanbury and Mr. W. R. Dodd in commemoration of the bicentenary of the foundation of Allen & Hanburys, Ltd., are to take place at the Hamilton Hall, Liverpool Street Hotel, London, E.C., on December 18, at 2.30. In view of the war the ceremony will be brief and of a simple character.

Captain F. A. Freeth, a chemist with Messrs. Brunner, Mond & Co., Northwich, was driving his motor-car along Runcorn Road, Bamton, Cheshire, on November 17, when he collided in the fog with another car driven by Dr. Nicolle, a local doctor. Both vehicles were badly damaged, and Dr. Nicolle received severe cuts and a fractured breast-bone. Captain Freeth was uninjured.

The Students and Staff of the London College of Pharmacy had a successful whist-party in the lecture-room of the College on Friday, November 19. A profit of 2*l.* 2*s.* was given to the British Red Cross Society, this balance having been rendered possible by the generosity of members of the Committee in giving the prizes. Lady students who had arranged for the refreshments, Miss Wootton (who presented the prizes), and members of the staff were all thanked.

Professor Meldola's Funeral at the Spanish-Portuguese Cemetery, Golder's Green, on November 18 was largely attended, among those present being Mr. H. Frank Heath, C.B. (representing the Advisory Council for Scientific and Industrial Research), Mr. A. Chaston Chapman, F.I.C. (Public Analyst), Dr. Silvanus P. Thompson, F.C.S., Dr. Emerson Reynolds, F.R.S. (representing the Chemical Society), and Mr. Walter F. Reid (representing the Society of Chemical industry).

Sale of a Noxious Thing.—At the London Central Criminal Court on November 22, George Wm. Bowerman (30), carrying on retail drug-business at Prince of Wales Road, Kentish Town, was sentenced to six months' hard labour for supplying a certain noxious thing to Adelaide Oliver for an alleged unlawful purpose. It was proved that on two occasions in June last Bowerman sold bottles of mixtures to the young woman, who when she next visited his shop fell down dead.

Poisoning Cases.—Three of the deaths reported during the week concern children accidentally poisoned by deadly nightshade berries, acetic acid, and carbolic acid. The acetic acid was administered to an infant instead of soothing-syrup; the supply of carbolic acid in place of carbolic oil by a person in the shop of Mr. McHugh, Bridge Street, Castleford, caused the death of a child at Whitwood. The application of the acid to a burn resulted in broncho-pneumonia, from which the child died. A Grimsby insurance-agent died from poisoning by salt of lemon self-administered.

Gangrene from Zeppelin Bombs.—The medical correspondent of the "Daily Mail" states that the extraordinarily high proportion of deaths following injuries caused by Zeppelin bombs has led to a strong suspicion among surgeons who have treated these cases that the bombs have been impregnated with deadly disease-germs. The evidence in favour of the bombs having been so treated, it is stated, by one of the surgeons who attended forty seriously injured victims of the last Zeppelin raid in London, was five times higher than the normal. [A research by Dr. Dale, F.R.S., discredits this assumption.]

Spectacle-makers' Company.—At an adjourned Election Court of the Spectacle-makers' Company held on November 17, Sir John F. L. Rolleston, M.P., Viscount Hill, L.C.C., and Mr. Harry Hylton-Foster were re-elected Master, Upper Warden, and Renter Warden respectively. The list of successful candidates at the recent examination was approved. Mr. C. V. Drysdale, D.Sc., Queen Anne's Chambers, Tothill Street, Westminster, S.W., has become a Freeman and Liveryman of the Guild. He is examiner in science for the Company's diploma. Captain Robert M. Sebag-Montefiore, M.A., L.C.C., of the East Kent Yeomanry, died of wounds received in action at the Dardanelles; he was the junior member of the Court of Assistants.

Irish News.

Subscribers are invited to send to the Editor newspapers containing matters of trade interest. The items should be indicated.

Personal.

Sir William Baxter, Ph.C., has been elected to represent Coleraine Urban Council on the Harbour Board, which has in turn elected Sir William to represent it on the Irish Society's Schools Committee.

Mr. Joseph Walsh, M.P.S.I., Londonderry, has presented the Derry Feis with a Silver Challenge Cup in memory of his wife (a leading Irish singer), to be known as the Madame Isa Moore Memorial Cup. It is to be competed for annually at the Feis by vocalists.

Mr. Herbert Tennison Beggs, Ph.C., M.P.S.I., has taken over the business of his father, Mr. George D. Beggs, J.P. (ex-President and Treasurer of the Pharmaceutical Society), who has retired from the business which he so successfully carried on at the Dalkey Medical Hall during the past thirty-eight years. Mr. Herbert Beggs served his four years' apprenticeship with, and acted as assistant for the past six years to, his father, and is a favourite with the Dalkey residents.

Scottish News.

Subscribers are invited to send to the Editor newspapers containing matters of trade interest. The items should be indicated.

Aberdeen and the North.

The recent cold snap has made Aberdeen pharmacists busy, there being a good demand for the usual winter medicines. Assistants and apprentices are at a premium in these war days and simply can't be had at any price.

At a recent meeting of the session of the Portsoy U.F. Church it was agreed to engross in the minutes an appreciation of the long official connection of Mr. James Clark, chemist and druggist, Portsoy, with the congregation, on the attainment of his jubilee as an office-bearer.

Edinburgh.

The "Daily Record and Mail" published on November 19 a photograph taken at the Central School of Pharmacy, Edinburgh, showing four lady students at a chemistry bench watching the effect of the addition of a reagent to the contents of a test-tube. It was entitled "Ladies of the Mortar and Pestle," and added: "Owing to the large number of male chemists who have joined the Forces as dispensers, an intersting profession is open to ladies." [Similar pictures appeared in the "Daily Mirror."]

Fife.

Mr. Andrew Gray, chemist and druggist, Lumphinnan, has given up his business there on account of ill-health.

Dispensing, both Insurance Act and private, is at "high voltage." One country chemist reports the best week's business he has ever experienced. Trade generally in Fifeshire is very brisk.

Mr. J. Christie, chemist and druggist, manager of Mr. J. Buchanan's Windygate branch, who joined the R.A.M.C. some months ago, was recently promoted to the rank of sergeant. He has now been appointed chief dispenser on the hospital ship *Mauretania*.

Further inquiries regarding the stocking and sale of photographic apparatus have elicited the information that the military do not wish to place unnecessary obstacles in the way of chemists dealing in these. Through the police they state that if chemists exercise due care in their sales, such as notifying buyers of the new regulations, and not selling to a "foreigner," they will not be interfered with. They should, however, remember that they will be held to some degree responsible in the event of illegal use of films, etc.; hence the necessity for asking what use the apparatus is to be put to before selling.

Glasgow and the West.

"Minor" students are alarmed lest the Derby scheme should cut short their studies.

City chemists' windows this week are generally devoted to emollient skin-creams. The frosty fogs make such displays "A word in season."

The majority of chemists are well pleased with the publicity which has been accorded them in the public Press regarding the Insurance crisis.

Some chemists have the doses of drugs printed on the label as a guide to customers, but the latest move is a label with "Antidotes" in case of accidental poisoning.

The intense fog of the past week has had advantages and disadvantages for chemists. The former are increased sales of all "cold-cures." The latter are soiled goods and lost messengers.

Prices now ruling in the drug-trade are on an average 50 per cent. higher than twelve months ago. Thanks to the new medicine stamp-duty chemists have now become bold enough to increase their prices all round.

Accounts contracted with the Pure Aeration Supply (Scotland), Ltd., after September 30, 1915, will be paid by "Prana Sparklet" Aerators, Ltd., London, to whom all orders for Sparklet goods or Pure Aeration apparatus should be sent.

French News.

(From the "C. & D." Paris Correspondent.)

Professor Bouchard, whose death is announced at the age of seventy-seven, was President of the Society of Biology and member of the Paris Academy of Medicine. He is famous for his discovery of auto-intoxication—*i.e.*, the production of injurious toxic products in the system itself.

M. Denys Cochin, one of the members of the new French Cabinet, is a distinguished chemist (formerly attached to Pasteur's Laboratory), and as such drew up the recent report of the Committee on powders and explosives. M. Paul Painlevé, the new Minister of Public Instruction, is a member of the Academy of Sciences.

An Aspirin Fraud.—The Minister of Agriculture has informed pharmacy inspectors that a German product is being offered to druggists and pharmacists under the name of "Aspirin" which is really nothing but a mixture of salicylic acid and sulphate of magnesia. It is hoped that the publicity given to this fact may help to diminish the possibilities of the success of this fraudulent commerce.

Army Pharmacy.—A timely work is M. Léon Varenne's "Organisation and Working of the Army Pharmaceutical Service." A doctor in pharmacy and a military pharmacist-major, the author has compiled this book specially for the guidance of his colleagues in the Reserve and Territorial Armies, condensing a large number of Army regulations, etc. Senator Cazeneuve has written the preface, in which he pleads for the interests of the pharmaceutical branch of the Sanitary Service. It should be borne in mind that the French military pharmacist is no mere compounder, he is the "chemist of the Army."

War Chemistry.—Senator Cazeneuve has published an interesting note on French chemical-industry since the war. He reminds us how, while the schools of Wurtz and Berthelot held "academical dispute" on the constitution of chemical bodies, the Germans, "practising the goose-step in applied chemistry," manufactured, sold, and practically monopolised the aniline-industry. To carry on such an industry readily and profitably the first requisites are sulphuric acid ("the staff of life" of a chemical-factory) and soda, though nitric and hydrochloric acids and chlorine are likewise indispensable. When the war was declared and the German products unobtainable, the "agonising question" in France was whether she could produce the amount of sulphuric acid necessary for smokeless powder, melinite, etc., as well as what was wanted for industrial medicinal purposes. To assure this, it was necessary for France to increase her output by some nine-tenths. France was equal to the occasion. The thousands of tons per diem necessary were produced, the programme of production "drawn up in the silence of the study" was carried out "to the stupefaction of our enemies." New lead chambers to manufacture acid at 53°, new concentrating apparatus to make it at 66°, new plant to produce "oleum" by synthesis, all were created.

Extending the Widow's Clause.—Senator Astier's Bill for extending the time for which a chemist's widow may carry on his business, which was adopted by the Senate, runs as follows:

Article I.—Article 41 of the Decree of 25 Thermidor of the year XI. stands as follows:

"On the decease of a pharmacist, the widow, children, or heirs may continue to keep open shop for one year, on the condition of presenting (for the acceptance of the School or Faculty ensuring the inspection of the said pharmacy) a student over twenty-one and having at least a two years' course, and at the same time a qualified pharmacist (established or otherwise) under whose responsibility all the work of the pharmacy will be managed and supervised. The Prefect of the Department to authorise the managership after the decision of the School or Faculty. The year expired, the widow can no longer keep open shop."

Article II.—The delay of one year accorded to the widow, children, and heirs of a deceased pharmacist by the Governmental Decree of 25 Thermidor of the year XI., modified by the present law, is suspended from July 31, 1914, first day of mobilisation, until the date of cessation of hostilities, which will be fixed by Governmental Decree. A new delay of one year will be granted to the persons named in the said article, to commence on the morrow of the date when the Decree stating the cessation of hostilities will have appeared in the "Journal Officiel." This delay of one year will be extended to widows, children, and heirs of pharmacists deceased prior to the mobilisation whose year of delay had begun, but not finished, at that date.

Chinese Vegetable Wax.—During 1914 4,146 piculs of crude vegetable wax were exported from Ichang in 1914, against 2,006 piculs in 1913; there were no exports in 1912.

German News.

Combating Sleeping-sickness.—Wassermann, in the "Deutsche med. Wochenschr.," gives some reminiscences of Ehrlich, and states that the latter had been devoting himself for some time to the problem of treating sleeping-sickness by the methods adopted for syphilis. It was found that a more active compound is needed to destroy the trypanosomæ, and this is why the heavy metals, and especially copper, were introduced into the salvarsan complex. Ehrlich reported to Wassermann that he had obtained excellent results with the new compounds.

Scarcity of Oils.—Dr. Freund contributes to the "Pharmaceutische Zentralhalle" an article dealing with the difficulty of obtaining supplies of raw material for soap-manufacture. He suggests beech-nut oil as a cheap indigenous substitute for coconut oil, which is at present unobtainable. The Minister of Public Works, in response to an appeal by the War Committee for controlling supplies of animal and vegetable oils and fats, has ordered that sunflower-seeds shall be collected. The seeds will be purchased, in the first instance, by stationmasters and railway officials, a fixed price of 40pf. per kilo. (about 2½*d*. per lb.) being paid for them. The latest suggestion is that the 17 per cent. of fat in yeast should be utilised.

Distinguishing Gas-cylinders.—The Prussian Minister of Commerce intends to issue a new Ordinance fixing the colours to be used for cylinders of liquefied and compressed gases. The characteristic colour for oxygen is to be blue, for hydrogen red, for nitrogen green, for carbon dioxide black, and for acetylene white. The name of the gas would also require to be placed on the cylinders. The Board of the "Berufsgenossenschaft der Chemische Industrie," whose advice has been asked about this matter, suggest that black is not suitable for cylinders of carbon dioxide as the temperature of the gas would increase if the cylinders were exposed to sunlight. The Society would prefer to put the chemical formula of the gas on the cylinder instead of the name.

A Long List.—The "Pharm. Zeit," enumerates the articles which have been commandeered on behalf of the military authorities, and those of which an inventory of existing stocks has been drawn up officially. These include cotton-wool and cotton products, benzol and solvent naphtha, xylol, toluol, etc.; saltpetre, Japanese camphor, glycerin, sulphur, chlorine, explosives, caoutchouc, guttapercha, rubber and asbestos in all forms; copper, brass, and nickel in all forms; tin, aluminium, antimony, and lead; material for wound-dressing, cotton wool, gauze, cambric, etc.; tungsten, chromium, molybdenum, vanadium, and manganese. Maximum prices have been fixed for benzol and solvent naphtha, metals, copper, brass, aluminium, nickel, antimony and tin, copper sulphate, Chile saltpetre, ammonium sulphate, and petroleum.

Business Dull in Apothekes.—The annual report of the Deutscher Apotheker Verein stated that business in pharmacies diminished considerably on the outbreak of war and has not yet recovered. The contracts with the military authorities did not make up for the loss; in fact, they proved very unprofitable in several cases. Some reflections upon England's economic war against Germany were indulged in, chiefly in connection with the strenuous endeavour made to remove from the German market patent medicines from hostile countries. For this purpose a series of formulæ for substitutes was published in the "Apotheker Zeitung." The membership of the Verein on August 1, 1915 was 5,260. The finances were satisfactory, but the "Apotheker Zeitung" yielded no profit because of the decrease in the advertisements.

Combating Lice.—Almost every issue of German pharmaceutical and medical papers refers to the use of insecticides against lice. We published notes on the matter in the *C. & D.*, June 12, p. 34, since when a research on the subject has been published by Dr. A. Zucker, Königsbrück, in the "Centralblatt für Bakteriologie, Parasitenk. u. Infektionskrankh." After giving a complete description of the anatomy, morphology, and biology of the clothes-louse, the author describes the means of combating the pest of which exposure to high temperature appears to be the most effective. Essential oils drive the lice away; they are only killed by such substances if they remain for a long time in the vapour of the oils, and the eggs are not killed at all. Wintergreen oil appears to be the most active of the essential oils; then follow camphor oil, bergamot oil, fennel oil, eucalyptus oil, and rosemary oil. The author publishes the following results of his experiments:

A. *Lice are driven away by:* Essential oils; menthol; turpentine oil; Peru balsam; solution of carbolic acid; precipitated sulphur; infusion of tobacco; black pepper; fatty acids.

B. *Lice are killed by:* Cresol-powder (3-per-cent.); sulphurous acid; mercury ointment; ether; benzin; benzol; petroleum; carbon disulphide; cresol-soap solution; carbon tetrachloride; solution of corrosive sublimate (1 : 1,000); naphthalin; anisol; dichlorbenzol.

C. *Inactive are:* Formaldehyde; acetylene; illuminating-gas.

For the soldiers in the field the author recommends a solution of anisol in carbon tetrachloride (1 : 9) and naphthalin or cresol powder. Clothes are best disinfected by exposing them to heat—*e.g.*, in a steam apparatus or by ironing them. For disinfection of rooms, Dr. Zucker prefers sulphur dioxide, obtained by burning sulphur in a stove, constructed for this purpose by Professor von Walther, Dresden.

Australasian News.

"The Chemist and Druggist" is supplied weekly to all the members of eight Chemists' Societies in Australia and New Zealand.

New South Wales.

Apprenticeship.—The Crown Law Office has expressed the opinion to the Pharmacy Board that an apprenticeship to a registered pharmacist managing a dispensary for a friendly society registered under the Companies Act is not contemplated by the Pharmacy Act, and would not comply with the provisions as to apprenticeship under that Act. Among the names registered under the Pharmacy Act at the meeting of the Board on September 14 were Julius John Simon and Thomas Gibson Johnston, both chemists and druggists (G.B.).

The Early Closing Bill, 1915, introduced in the Legislative Assembly, repeals five other Acts from 1899 till 1910, and substitutes other provisions giving the Court of Industrial Arbitration the power to fix the hour for opening of all or any shops and the closing time for all non-scheduled shops, which includes pharmacists' shops. Clause 9 proviso (*b*) reads as follows:

> No registered pharmacist within the meaning of the Pharmacy Act, 1897, shall be guilty of the said offence by reason only that, before the opening-time or after having *bona-fide* closed his shop at the closing-time fixed or appointed by or under this Act he has, solely for the purpose of complying with a special request, temporarily opened his shop for the supply of any drugs or patent or proprietary medicines for medicinal purposes, or any surgical appliances.

New Zealand.

Poisoning Case.—A nurse at the Launceston General Hospital on September 21 administered in error a dose of strychnine solution to a patient—an old man of eighty-seven—in mistake for tincture of digitalis. The patient died a short time after drinking the poison.

The Sulphur-mine of New Zealand is mentioned in the annual Mines Statement for the year 1914. The Minister of Mines reports that the operations of the New Zealand Sulphur Co. at White Island were suddenly terminated on or about September 11 when eleven lives were lost and all the company's plant and works completely obliterated as the result of an earthquake, which caused a fall of about 4 chains of cliff 600 ft. in height, the *débris* blocking the great active thermal crater known as the Blowhole, which subsequently erupted with extreme violence, considerably changing the topography of the island. No trace of the eleven inhabitants, all employés of the company, has been found, and it is believed the unfortunate men were hurled out to sea. It is stated that the sulphur company does not intend to recommence operations.

South Australia.

A. M. Bickford & Sons, Ltd have been registered, with a capital of 100,000*l*., in 1*l*. shares, to acquire the business of manufacturing chemists and druggists and aërated-water and cordial manufacturers carried on by A. M. Bickford & Sons. The first subscribers are William Bickford, Harry Bickford, Harry F. Bickford, Harding Bickford, and Harold Bickford. Office, Turbot Buildings, Turbot Street, Brisbane.

Western Australia.

Health Act Amendment.—A Bill to amend the Health Act was introduced into the Legislative Assembly on September 8. The Bill seeks to impose heavy penalties upon persons other than medical practitioners who treat venereal diseases, and also persons who neglect to place themselves under treatment and fail to obtain certificates of cure.

Legal Reports.

Trade Law.

A Dye-contract.—In the case of the North British Chemical Co. (England), Ltd., against F. J. Woods & Co., Ltd., chemical-merchants, Hulme, at the Manchester Assizes (*C. & D.*, November 20, p. 41), the jury on November 18 awarded the plaintiffs 1,400*l.* damages. Mr. Justice Ridley said he entirely agreed with the verdict, and declined to grant a stay.

Medicine-stamp Act. At Blackpool, on November 22, Herbert Mellor Johnson, Ph.C., Coronation Street, pleaded guilty to twelve breaches of the Medicine-stamp Act, 1812, by selling dutiable medicines unstamped. The articles purchased included "Johnson's Special Bronchitis-cure," "Johnson's Influenza, Cold, and Sore-throat Mixture," "Foot-powder—immediate ease for corns and bunions," and "Johnson's Famous Wind and Stomach Pills." The Commissioners thought it was necessary to bring the case into court as a warning to others. Mr. Lindon Riley, in a strong appeal for leniency, said Mr. Johnson had been in business in the borough for well over twenty years, and up to now no whisper of suspicion had been uttered against him. He characterised as brutal the multiplying of the charges. The Magistrates fined the defendant 5*l.* on the first summons and 10*s.* on each of the others—ten guineas in all.—At the same Court Mary Ellen Rhodes, who owns a barber's shop at 132 Central Drive, was fined 30*s.* for selling unstamped foot-salve labelled "Absolutely removes corns, hard or soft, young or old."

Alleged Trading with the Enemy.—At the Thames Police Court, London, before Mr. Leycester, on November 24, E. J. Herson Pronk and Alfred Ed. Davis, trading as Pronk, Davis & Co., Haydon Street, Minories, were summoned on a charge of trading with the enemy by obtaining chemicals from Germany. Mr. Travers Humphreys, who prosecuted, said that Pronk was a Dutch subject and Davis a British subject. They carried on an extensive business in chemicals, dyes, etc. The case involved four transactions. In September 1914 Davis was in Holland, and got into touch with Brocade & Stheel, asking them to book his firm an order for 1,000 kilos. of permanganate of potash. There was correspondence as to the making of a declaration that the goods were ordered before the war. Ultimately the goods were ordered to be sent to the defendants' forwarding agents, all marks having previously been removed from the casks. The second summons was in regard to 110 lb. of vanillin, obtained through a Mr. Van Heroolt, Rotterdam. Although the defendants in this case had a licence, it was submitted that it was obtained from the Board of Trade by fraud. The third summons was in respect to another consignment of vanillin, which was not allowed to reach the defendants. A fourth charge related to soluble vandyke brown. Although the Dutch firm wrote that they could supply the article from "German make only," the defendants asked for 10 tons to be sent at once. The hearing was adjourned.

Gazette.

Partnerships Dissolved.

ADAM, J. E., DIBB, W. L., and SEDGWICK, G. H., Thrybergh, Bramley and Eastwood, surgeons and general medical practitioners, under the style of Adam, Dibb & Sedgwick, so far as concerns J. E. Adam.

DAY, J. J., "Mayfield," Sandwich; SALT, A. P., Wingham; and MCCALL-SMITH, N., Ash, all in Kent, physicians and surgeons and general medical practitioners, under the style of Day, Salt, & McCall-Smith

WITHERS, F. E., and GORDON, F. J., Horncastle, Lincolnshire, medical practitioners, under the style of Withers & Gordon.

Bankruptcy Acts.

RECEIVING ORDER AND ADJUDICATION.

AINLEY, E. T., Nowton, near Bury St. Edmunds, and Woolhall Street, Bury St. Edmunds, chemist.

CHINESE GALLS.—The exports from Shasi during 1914 amounted to 1,127 piculs, against 413 piculs and 1,834 piculs in 1913 and 1912. From Shanghai only 3,172 cwt. were exported in 1914, against 48,550 cwt. and 41,351 cwt. in 1913 and 1912 respectively.

Bankruptcy Report.

Re Louis George Aime Bulteaux (trading as Bulteaux & Co.), 21 Mincing Lane, E.C., Produce Merchant, Agent, and Broker.—Mr. Registrar Hope, at the London Bankruptcy Court on November 17, granted this debtor's discharge from bankruptcy (he failed in April 1913), subject to him paying 100*l.* into court.

Limited Companies.

New Companies Registered.

P.C. means Private Company and R.O. Registered Office.

DITTON VITRIOL CO., LTD. (P.C.).—Capital 15,000*l.* The first directors are H. C. Furniss, E. Marsh, E. Broome, and P. Artingstall.

ALLEN HARDING & CO., LTD. (P.C.).—Capital 20,000*l.* Objects: To take over the business of Allen Harding & Co., chemical and general merchants, etc. The subscribers are H. Perry, cashier; W. H. Butterfield, manager; and G. C. Baldock, clerk.

HECKMONDWIKE CHEMICAL CO., LTD. (P.C.).—Capital 2,000*l.* The subscribers and first directors are J. C. Oxley, drysalter; J. A. Walker, technical chemist; and G. S. M. Colbeck-Welch. R.O., East Calder Chemical-works, Walkley Lane, Heckmondwike.

HERBERT FERRYMAN, LTD. (P.C.).—Capital 2,000*l.* Objects: To carry on the business of chemists, druggists, etc.; to take over the business carried on at 64 Bellevue Road, Southampton; and to enter into an agreement with H. Ferryman. The subscribers and first directors are H. Ferryman and R. Leeson.

Company News.

UNITED ALKALI CO., LTD.—The annual report for the year ended September 30, 1915, shows a profit of 260,805*l.* The dividend declared is 20 per cent., compared with 15 per cent. for the previous year. The amount placed to depreciation reserve is increased from 32,500*l.* to 50,000*l.*, and the balance forward is increased by 42,749*l.* to 61,152*l.*

ILFORD, LTD.—The directors report a net profit of 27,277*l.* for the year which ended on October 31, making 33,157*l.* with the amount carried forward. They recommend payment of 6 per cent. on the preference shares, 5 per cent. on the ordinary shares, 7,000*l.* to be devoted to writing down plant, investments, etc., and 5,257*l.* to be carried forward. They report that during the year Mr. F. J. Jenks, managing director, was appointed to a seat on the board, and he and Lieutenant-Colonel F. W. Evatt are now retiring, but are eligible for re-election at the nineteenth ordinary general meeting of the shareholders, which is to be held at Winchester House, London, E.C., on December 1, at 12 noon.

Births.

Authenticated notices are inserted without charge.

BEATTON.—At Craigbank, Port-Glasgow, on November 19, the wife of Peter S. Beatton, chemist and druggist, D.B.O.A., of a son.

FARMER.—At Belle Vue Terrace, Spilsby, Lincs, on November 13, the wife of Charles F. Farmer, chemist and druggist, of a daughter.

LONG.—At 35 Otley Road, Headingley, Leeds, on November 19, the wife of F. C. Long, Ph.C., of a daughter.

Marriages.

Authenticated notices are inserted without charge.

BOULTON—DRIFFIL.—At St. Margaret's Church, Heaton, recently, Second-Lieutenant Reginald Boulton, of the Northumberland Fusiliers (chemist and druggist, formerly with Donington & Co., chemists, Spalding), to Gladys, eldest daughter of Mr. and Mrs. Fred. Driffil, formerly of Spalding.

CHEETHAM—WOOLFENDEN.—At St. John's Church, Walton, Liverpool, on November 16, Jeremiah Saville Cheetham,

pharmacist, Rochdale, to Evelyn, eldest daughter of Captain and Mrs. Woolfenden, "Branksome," Orrell Lane, Aintree, Liverpool.

Marriott—Dixon.—At St. Mark's Church, Preston, on November 18, Charles Ernest Marriott, chemist and druggist, 203 Kirkstall Lane, Headingley, Leeds, to Marion, second daughter of Mr. Thomas Dixon, Preston.

Deaths.

Authenticated notices are inserted without charge.

Bastian.—At Chesham Bois, on November 17, Dr. Henry Charlton Bastian, F.R.S., Emeritus Professor of the Principles and Practice of Medicine at University College, London, aged seventy-eight. Dr. Bastian was chiefly known on account of his peculiar views in regard to the origin of life. When Pasteur's theory as to bacterial infection was still a theory, Dr. Bastian controverted it with theories regarding the spontaneous generation of life. One of the first and greatest results was that John Tyndall took the matter up in 1870, and in his "Essays on the Floating Matter in the Air in Relation to Putrefaction and Infection" (based on lectures at the Royal Institution) completely demonstrated the correctness of Pasteur's observations and the inaccuracy of Bastian's. Huxley also contributed to the discomfiture of the Bastian theory; nevertheless, Dr. Bastian did not give way, and until quite recently published occasional papers on his observations, his principal work on the subject being a book on "The Origin of Life." At University College he was successively Professor of Pathological Anatomy and of the Principles and Practice of Medicine, and in his medical practice specialised in nervous diseases.

Cant.—At Cotton of Guthrie, Forfarshire, on November 18, Mr. David Cant, chemist and druggist, Guthrie, aged seventy-nine. Mr. Cant was an assistant when the Pharmacy Act, 1868, came into force, and under it he passed the Modified examination in October 1870. He was held in high respect locally.

Dow.—At Cincinnati, U.S.A., on October 18, Miss Cora M. Dow, pharmaceutical chemist. Miss Dow was one of the pioneer women pharmacists in the United States. She started by taking charge of her father's drug-store in Cincinnati and eventually conducted eleven shops, which a few days before her death she disposed of to a company. Miss Dow left an estate valued at about two million dollars, and in her will gave legacies to many of her old employés.

Died of Wounds.

Keeping.—Mr. George Keeping a former employé of Arthur H. Cox & Co., Ltd., Brighton, attached to the R.A.M.C. in the Dardanelles, has died a prisoner of war in Constantinople. It may be remembered that Mr. Keeping and his brother (also on the firm's staff) were reported killed in September, but Mrs. George Keeping subsequently heard, through the American Ambassador, that her husband was wounded and in hospital progressing favourably.

Smith.—At the 3rd General Hospital, Wandsworth, on November 21, Mr. H. E. Smith, of the Honourable Artillery Company, aged forty-three. Mr. Smith was known to the trade as traveller for R. Lane Hall & Co., 4 Lloyd's Avenue, London, E.C. As a member of the H.A.C. he went to France in September 1914, was twice wounded, and has now succumbed to the wounds received on the second occasion. He was buried with military honours at Wanstead Cemetery on Wednesday.

Died on Active Service

Tharratt.—Lost on hospital-ship *Anglia*, on November 17, Lieutenant George Vanes Tharratt, 4th Battalion King's (Liverpool) Regiment, only son of Mr. G. R. Tharratt, pharmacist, Liverpool, aged twenty-one.

Killed in Action.

Anderson.—In France, on September 25, Private William Anderson, of the Gordon Highlanders, aged nineteen. Before enlisting he was with Mr. John Byth, chemist and druggist, Aberdeen, and had served his apprenticeship as a chemist with Councillor W. A. Ness, chemist and druggist, Aberdeen.

Jackson.—At Loos, on September 25, Corporal Frederick Percival Jackson, 8th Devons, lately assistant with the General Apothecaries' Co., Ltd., 49 Berners Street, London, W., aged nineteen.

Venezuelan Copaiba.—The exports from Ciudad Bolivar during 1914 amounted to 18,660 kilos. (1,962*l.*), against 9,891 kilos. (1,102*l.*) in 1913.

Wills.

Mr. John Cavell, chemist and druggist, Whittlesey, Cambs, who died on October 2, left estate of the gross value of 571*l.* 15*s.* 3*d.* Probate of his will has been granted to his widow, Mrs. Martha Cavell.

Mr. William M. Roscoe, J.P., Birchamp, near Coleford, Glos., chairman of Christopher Thomas & Bros., Ltd., glycerin and soap manufacturers, Bristol, who died on July 24 last, left estate valued at 42,602*l.* 9*s.* 4*d.* gross, with net personalty 32,002*l.* 15*s.* 10*d.*

Mr. William Ashby, chemist and druggist, 177 Mansfield Road, Nottingham, who died on September 3, left estate of the gross value of 597*l.* 9*s.* 10*d.* Probate of his will has been granted to Mr. F. E. Fish, Liverpool, and Mr. G. J. R. Parkes, West Bridgford.

Mr. Edwin Carr, 133 Loughborough Road, Leicester, who died on August 26, left estate of the gross value of 39,562*l.* 4*s.* 8*d.*, the net personalty amounting to 29,319*l.* 10*s.* 8*d.* Various legacies are made to charities and servants. The goodwill of his business with the proprietary rights in the name of "Carr's Fever-powders," with the plant, machinery, stock, money, and the premises in Wharf Street and Upper George Street, he left to his nephew, Percy Carr Loseby.

Mr. David Frederick Smith, 67 Blenheim Terrace, Abbey Road, St. John's Wood, London, N.W., of Sangers', Euston Road, who died on October 19, left property of the value of 7,288*l.* 7*s.* 4*d.*, the net personalty being 6,988*l.* 17*s.* 1*d.* Probate of the will has been granted to his sons, F. J. Smith and E. A. Smith. The testator gives the proceeds of the policy of insurance and money on current account at his bankers to his wife, subject to the payment of 200*l.* to his daughter Edith A. E. Smith, and his two shares in Sangers' to his two sons, Fredk. John and Ernest Atherton, they paying 50*l.* per annum each to his daughter Edith and his son Percy Stanley during the life of Mrs. Smith. The residue of the property is to be held in trust for Mrs. Smith for life, with remainder as to two-thirds to his daughter Edith and one-third to his son Percy Stanley.

Trade Notes.

Brook, Parker & Co., Ltd., manufacturing chemists, Nelson Works, Nelson Street, Bradford, have secured a contract for tablets from the War Office.

"Christy's Monthly" for November contains suggestions for comforts to send to soldiers on active service. Those who have not seen a copy of this month's issue should send a postcard request to Thomas Christy & Co., 4 to 12 Old Swan Lane, London, E.C.

Paraffinum Liquidum, B.P.—The Produce Brokers' Co., Ltd., 24-28 St. Mary Axe, London, E.C., are suppliers of liquid paraffin in any quantity for medicinal purposes. It is prepared from Russian petroleum, is water-white, perfectly tasteless, and of the viscosity which physicians consider to be essential in the treatment of constipation.

Wickered Bottles.—There has been of late a good demand for wickered eau de Cologne bottles, and some difficulty has been experienced in obtaining supplies. Jules Lang & Son, Charlton Works, Charlton Place, Islington, London, N., now inform us that they will shortly be able to satisfy all demands for these wickered bottles, and that they are prepared to quote for four sizes—2½-oz., 5-oz., 10-oz., and 20-oz.

Prices of Synthetics.—We observe that Monsanto Chemical-works, St. Louis, in a letter to the "Oil, Paint, and Drug Reporter," say that they expect by January to be manufacturing acetphenetidin (phenacetin), as in the past, and that the cost will not exceed $2.50 per lb. The same conditions apply practically to phenolphthalein, although the cost of this product may be a little higher, because of the present position of phenol and the other products entering into its manufacture.

Bovril Window-bills.—Bovril, Ltd., 152-156 Old Street, London, E.C., have issued a pair of opaque window-bills, which, while helping on the sale of bovril act also as a means of reducing the amount of light passing from the window to the street, in accordance with the Lighting Regulations. The showbills are 24 in. deep and about 12 in. wide, in colours, and so shaped as to be used in the corners of a window. Upon the bills are winsome children, holding cups of hot bovril, being carried upstairs. As window-decorations nothing could be nicer. Those chemists who wish to use them should write to Bovril, Ltd., for the two bills.

"Perfumery and Essential Oil Record."—Among the matters referred to in the November issue of this publication is a note regarding the solubility test for cinnamon oil given in the British Pharmacopœia. This test was founded on Continental oils believed to contain added cinnamic aldehyde, which increases the solubility of a natural light oil. The oils of English distillation of comparatively low specific gravity are not soluble as prescribed in 3 to 4 volumes of 70-per-cent. alcohol. There is also a report on a sample of oil of *Prostanthera cineolifera* of Australian origin, which is stated to contain 61 per cent. of cineol. It has a local reputation as a specific against influenza.

Pears' Annual, 1915, is a semi-jubilee number, and never, we think, has so good a Pears' Annual been published. It contains five good tales, beginning with "Julia's Elopement," by Max Pemberton, which will delight all who know the country from Minster to Canterbury. The tale is beautifully illustrated by Joseph Simpson, R.B.A., whose pictures, and those of four other artists, are reproduced with remarkable faithfulness, and in an uncommonly good style for periodicals of this nature, the results being exactly like water-colour pictures. The other stories are by W. L. George, Barry Pain, C. J. Cutcliffe Hyne, and J. J. Bell, the last a Wee Macgregor story in the original style. With each copy of the Annual there are three presentation plates in colours of pictures by A. J. Elsley, R.I., J. Shaw Crompton, and R. Anderson, a mezzogravure by A. Dampier Hay, and a pair of mezzogravures in Bartolozzi style after paintings by F. Wheatley, besides two coloured pages of old Christmas carols. The Annual is published by A. & F. Pears, Ltd., 71-75 New Oxford Street, London, W.C., at 1s., and is splendid value for the money. It can be obtained from newsagents.

Trade-Marks.

Objections to the registration of any of the undermentioned applications must be stated on Form T.M. No. 7 (obtainable at Money Order Offices for £1) and lodged with the Registrar of Trade-Marks, Patents Office, 25 Southampton Buildings, Chancery Lane, London, W.C. The prescribed time is one month from the date of the Journal in which the application has appeared; but the period may be enlarged by the Registrar, if he thinks fit, and upon such terms as he may direct. Formal opposition should not be lodged until after notice has been given by letter to the applicant for registration, so as to afford him an opportunity of withdrawing his mark before the expense of preparing the notice of opposition is incurred. Failing such notice to the applicant, an opponent may not obtain an order for costs.

The figures in parentheses refer to the classes in which the marks are grouped, for a list of which, with particulars as to registration, see "The Chemist and Druggist Diary," 1915, p. 435.

(From the "Trade-marks Journal," November 10, 1915.)

Device of crown and shield bearing word "Grothine"; for leather-disinfectants (2). By Electro Leather Industries, 10 Gratton Road, West Kensington, W., and The British Drug Houses, Ltd., 22-30 Graham Street, N. 368,352.

"Evansol" on label device; for all goods (2). By Evans Sons Lescher & Webb, Ltd., Liverpool and London. 369,182. (Associated.)

"Ambroslin"; for medicinal chemicals (3). By Colonial Business and Finance, Ltd., 118-122 Holborn, London, E.C. 369,323.

"Asperoids"; for medicinal chemicals (3). By Boot's Pure Drug Co., Ltd., Nottingham. 369,511.

Picture of huntsman and words "Tom Edwards' Huntsman's Cure," etc. ("Tom Edwards'" disclaimed); for a rheumatism and gout medicine (3). By Huntsman's Cure Co., 92A Cheapside, Birmingham. 367,888.

"Eucaform"; for medicinal chemicals (3). By Warrick Bros., Ltd., 6 Nile Street, City Road, N. 369,586.

"Mylopepton"; for medicinal chemicals (3). By G. E. Dixon, 8 Duke Street, Manchester Square, W. 369,621.

"Spirastic"; for surgical or curative wearing-apparel (11). By Sanalak, Ltd., 15-19 Vine Street, Clerkenwell Road, London, E.C. 369,491.

"Tricol"; for all goods (42 and 47). By the Sussex Packing Co., East Street, Shoreham. 368,796/7.

"Lifeguard" in facsimile writing; for goods (48). By T. S. Simpson and A. T. Young, Beehive Works, Ramsgate, Stockton-on-Tees. 368,354.

"Abbey Eau de Cologne" on label, with medallion bearing words "Purity and Excellence"; for Eau de Cologne made in Great Britain (48). By Parke's Drug-stores, Ltd., 65 Harmood Street, N.W. 369,121. (Associated.)

Picture of padlock; for perfumery, etc. (48). By G. W. Goodwin & Son, Manchester. 369,604.

"Fra"; for brushes and brooms (50). By Brushes, Ltd., Warre Street, Ashton-under-Lyne. 369,573. (Associated.)

(From the "Trade-marks Journal," November 17, 1915.)

"Virely" with picture of butterfly on twig; for vermin-destroyers (2). "Virely"; for soap and washing-powders (47). By Koninklijke Stearine Kaarsenfabriek Gouda, Gouda, Holland. 367,344/5.

"Indana" over picture of Red Indian's head; for medicinal tonics (3). By W. P. Nicholson, 408 Lytham Road, Blackpool. 367,206.

"Eutocine Laurent" and "Eutocine" in facsimile writing ("Laurent" disclaimed); for a medicine (3). By P. Laurent, 14 Rue des Halles, Bois Colombes, Seine, France. 369,068; 369,159. (Associated.)

Scissors with picture of same; for goods (47). By J. Crosfield & Sons, Ltd., Warrington. 369,812. (Associated.)

"Luvulu"; for a rheumatic medicine (3). By J. Pomeroy, 59A Elm Grove, Southsea. 368,642.

"Cresoleum"; for preservatives for wood, stone, etc. (1). By H. N. Morris & Co., Ltd., Gorton Brook Chemical-works, Miles Street, West Gorton, Manchester. 369,215.

"Simple Simon" and "Joy"; for chemicals (2). By Christr. Thomas & Bros., Ltd., Bristol. 369,752/3.

"Sistomensin," for all goods (3); "Orypan," for food substances (42). By Society of Chemical Industry in Basle, Basle. 368,560/926.

"Bacterol"; for medicinal chemicals (3), and for perfumery, etc. (48). By Bacterol, Ltd., 19-25 Brookside Road, Highgate, N. 369,724/5. (Associated.)

Pyramid device with word "Ansco"; for photographic apparatus, etc. (8). By Ansco Co., 194 Washington Street, Binghampton, N.Y., U.S.A. 368,079. (Associated.)

"Wilver"; for all goods (11). By Will Vernon & Sons, 57 North Road, Preston. 369,579.

Coming Events.

This section of the "C. & D." is reserved for advance notices of meetings or other events. These should be sent to the Editor by Wednesday of the week before the meetings, etc., occur.

Sunday, November 28.

Pharmacists' Volunteer Training Corps, Millbank School, Erasmus Road, Westminster, S.W., at 10 A.M. Parade and instruction.

Monday, November 29.

Royal Society of Arts, John Street, Adelphi, W.C., at 4.30 P.M. Dr. W. Rosenhain, F.R.S., on "Optical Glass" (Cantor Lecture I.).

Tuesday, November 30.

West Bromwich Pharmaceutical Association, Messrs. Bullus's, at 9 P.M. Mr. John Keall on "The Work of the Proprietary Article Trade Association."

Wednesday, December 1.

Royal Society of Arts, John Street, Adelphi, W.C., at 4.30 P.M. Dr. A. E. Shipley on "Insects and War."

Pharmaceutical Society of Great Britain, 17 Bloomsbury Square, London, W.C., at 11 A.M. Council-meeting.

Thames Valley Pharmacists' Association, Thames Valley Café, 40 Clarence Street, Kingston-on-Thames, at 3 P.M. Discussion on the new Drug-tariff.

Thursday, December 2.

Chemical Society, Burlington House, Piccadilly, London, W., at 8 P.M. Among the papers to be communicated are the following: "A Comparative Method for Determining Vapour Densities," by Mr. P. Blackman; "The Isomerism of the Oximes. Part VII. 5-Bromvanillinaldoxime, 5-nitrovanillinaldoxime and 6-nitropiperonaldoxime," by Messrs. O. L. Brady and F. P. Dunn; "The Rate of Growth of Bacteria," by Mr. A. Slator; "The Study of Binary Mixtures. Part I. The Densities and Viscosities of Mixtures Containing Phenol," by Mr. A. Bramley.

North London Pharmacists' Association, St. Padarns, Holloway, at 3 P.M. Discussion on "The Future of Pharmaceutical Committees" and "Organisation in Trade Matters."

Sheffield Pharmaceutical and Chemical Society, Literary and Philosophical Society's Rooms, Church Street, at 3.30 P.M. Mr. W. Johnston on "The Work of the Proprietary Articles Trade Association."

Great Yarmouth Pharmaceutical Association, at 8.30 P.M. Monthly meeting.

Westminster Wisdom.

By the "C. & D." Parliamentary Representative.

Insurance Dispensing in Scotland.

In the House of Commons on Wednesday, November 24, Mr. Currie, the member for Leith Burghs, asked the Comptroller of the Household (Mr. C. Roberts) whether the suggested new Drug Tariff submitted to Scottish panel chemists for 1916 may be regarded as definitely withdrawn; if so, whether this is largely due to the opinion expressed by the chemists themselves that the suggestions of the Departmental Committee on this point were financially unsound; whether, before this new Tariff was suggested, steps were taken to ascertain whether the Scottish Insurance Commissioners considered that it would be workable in Scotland; whether the English Commissioners have at their disposal an organisation corresponding to the Central Checking Bureau in Glasgow; and to what extent, if any, expenditure has been required in Scotland arising out of or corresponding to the 1913-14 Treasury grant of 60,000*l.* for excessive sickness in England and Wales.

Mr. C. Roberts, in a reply, the length of which caused a good deal of irritation in the House, said: As considerable misapprehension appears to exist on this matter, the House will perhaps allow me to deal with it at somewhat greater length than is usual in an oral reply. The answer to the first part of the question is in the negative. Owing to the dissatisfaction expressed throughout Great Britain with certain features of the existing Drug Tariff, a Departmental Committee on the subject was appointed in February. Their report was laid upon the table in September, and the terms of service for 1916 offered to chemists in Great Britain under the National Insurance Acts are in accordance with their recommendations. Scottish chemists were represented on the Committee, and four out of the eleven days on which the Committee heard evidence were devoted to evidence as to Scottish conditions, two days being occupied in hearing the Secretary to the body which I believe represents Scottish chemists. As, however, this body is understood to desire an opportunity of amplifying the views expressed to the Committee, I have undertaken to receive any such statement within a period which will allow the position in Scotland to be re-examined before July 1 next. Until that date I have undertaken that the existing Tariff shall continue in force in Scotland, although the Pharmaceutical Society of Great Britain have recommended chemists in England and Wales to accept terms of service embodying the Tariff recommended by the Committee as from January 1 next. I need not remind the hon. member that the financial results of the Tariff thus recommended are capable of demonstration, and I have not yet been supplied with any evidence that these results would be inequitable in their working in Scotland. But, as I have stated above, it remains open to the representatives of Scottish chemists to adduce evidence to this effect. I fear that I do not understand the suggestion in the third part of the question. The hon. member will be aware that the object of a Minister in remitting any question to a Departmental Committee is to obtain from them recommendations based upon such evidence as they decide to take on matters within their terms of reference. But I have already indicated how fully the Committee in fact inquired into the position before making their report. The answer to the fourth part of the question is in the negative, but the hon. member may be sure that Insurance Committees in each part of Great Britain are equally desirous of preventing extravagance in prescribing, whatever the precise form of organisation adopted by them for the purpose, and one advantage of the Tariff recommended by the Committee will be to assist them in such endeavours. The grant referred to in the last part of the question was voted to meet any need for its application arising in any part of Great Britain. No such need has, in fact, arisen in Scotland, except for a small sum granted in 1914 to meet the enhanced cost of certain drugs under war conditions. For the purpose of removing misconceptions on the whole subject I have arranged for a communication to be sent to each panel chemist in Scotland.

Mr. Handel Booth: Is the hon. gentleman aware that because the Drug Fund has broken down in England they are attempting to force on Scotland something they do not want?

Patents and Designs (Partial Suspension) Act.

This Act, which became law on November 24, suspends for the period of the war and six months after Section 27 of the Patents and Designs Act, 1907, which refers to the revocation of patents worked outside the United Kingdom.

Trade after the War.

The Prime Minister announced on Wednesday in the House of Commons that commercial co-operation with our Allies and competition with German manufacturers after the war are receiving close and systematic inquiry on the part of the Government.

Deficiency in Nitrates.

In a discussion on the third reading of the Consolidated Fund (Appropriation No. 2) Bill in the House of Commons on November 18, Mr. Acland, Chairman of the Board of Agriculture, stated that there would be a very considerable shortage of nitrate of soda unless special steps are taken in regard to its importation. Only about 30,000 tons is available or in sight, and the ordinary annual consumption for agricultural purposes is 100,000 tons. It is necessary to take steps to secure some approximation to the normal supply.

Apothecaries' Hall of Ireland.

Mr. H. J. Tennant has informed Mr. Byrne, M.P., that the Apothecaries' Hall of Ireland have recently made representations to the War Office with regard to the action of the General Medical Council. He has no information as to the effect which the action may have had in frightening away candidates who desire to qualify for the R.A.M.C., but it must be obvious that the Army Council has no authority over such a body as the General Medical Council, which is responsible for the efficiency of civil medical education. The Army Council has no information as to the number of inspections which the G.M.C. consider it necessary to make of the various medical licensing corporations.

Aspirin and Salicylates.

Mr. Peto put a question in the House of Commons on November 23 as to the scarcity and high price of aspirin and salicylates, phenacetin, antipyrin, and other drugs requiring spirit in their manufacture, and what steps are being taken to secure an adequate supply at a reasonable price during the war, and to secure a larger production of them in this country by permitting the use of spirit duty-free.

Mr. McKenna replied that the question of maintaining the supply of these important drugs has recently been receiving very careful consideration at the hands of the Insurance Commissioners. He feared that it is not possible within the limits of a Parliamentary reply to give any adequate statement of the steps that have been and are being taken to deal with the situation, but the position as regards available supplies is on the whole improving, and there is no reason to anticipate any serious shortage in the future. It is not practicable to allow the use of duty-free spirit in the manufacture of drugs generally, but so far as it is practicable it is or will be allowed under the terms of the circular, of which he would send the hon. member a copy.

Mr Peto asked the right hon. gentleman to say whether the improved supply to which he alluded referred to the supply derived from drugs manufactured in this country or imported.—Mr. McKenna: I should have to have notice of that.

Mr. King: Is it not a fact that some of these drugs are registered under names, and that some drugs under other names can be obtained at cheaper prices?—Mr. McKenna: I do not know.

The Sanatogen Co.

Mr. Butcher asked the President of the Board of Trade on November 23 another question about this company: (1) in what sense it is a branch of some business carried on elsewhere by Johann A. Wulfing, a German alien enemy; (2) whether Max Muller, the London manager (a German alien enemy of military age), recently dismissed four English employés of the firm, which dismissal is now the subject of a law-suit; and (3) whether he will appoint a controller of the business.—Mr. Runciman replied that the business of A. Wulfing & Co., of London, is a branch of a German business in the sense that there is a separate establishment and management in this country which was subject before the war to the control of J. A. Von Wulfing, the proprietor of the business carried on both in this country and in Germany. He was unaware of the second statement, and did not think it necessary to apply to the Court for the appointment of a controller on that account. He appointed a supervisor of the business in October 1914.

Mr. Butcher asked whether the right hon. gentleman was taking steps to prevent English employés of this firm holding important positions from being dismissed from their posts by a German alien.—Mr. Runciman said he could not answer that without notice. There might be many grounds for dismissal without reference to this particular question.

Sir Richard Cooper asked whether it was a fact that this Max Muller is of military age and should be interned. —Mr. Runciman: I know nothing about that. In answer to previous questions I have described quite fully the state of the firm, and I will refer hon. members to those answers.

Mr. Ronald McNeill asked whether the right hon. gentleman is aware, when he speaks of this business being a branch in England, that this man, Von Wulfing, is the business; there is no company whatever.—Mr. Runciman replied that, in answer to previous questions, he had described fully the status of the firm.

Associations' Winter Session.

Birkenhead.—A special meeting of the Birkenhead, Wirral, and Wallasey Pharmacists' Association was held at Birkenhead on November 18, Mr. F. C. Cooling in the chair. Mr. W. A. Wynne reported on the Conference of Local Associations, and then followed a discussion on Insurance matters. It was suggested that the sp. gr. of all liquids should be inserted in the Tariff. A good deal of adverse criticism took place on the unfairness of the establishment charge of 0.8*d.*, but it was resolved to give a year's trial of the new Tariff.

Chemical Society.—At the meeting held at Burlington House, W., on November 18, Dr. Alex. Scott, F.R.S. (President), announced with regret the death of Professor Meldola, and spoke feelingly of the loss scientific circles generally had sustained through his death. The President also announced that, owing to the extraordinary circumstances of the times, the Society will in future meet at 8 P.M. Mr. E. J. Russell then delivered a lecture on *Crop-production*. This was the first of three lectures on various subjects by different chemists which the Council has arranged for this session. The present subject necessarily contained little of direct pharmaceutical interest, but it may be noted that it cannot be eliminated economically. Three fundamental conditions must be fulfilled to obtain the best results in growing crops: (1) A sufficient supply of suitable material; (2) biochemical changes must proceed smoothly; (3) all the requirements of the plant must be satisfied.

Derbyshire.—A meeting of the Derbyshire Pharmaceutical Association was held at the Bell Hotel, Derby, on November 17, the President (Mr. C. W. Southern) in the chair. Thirty-one members attended. It was agreed to establish an Organisation Committee for commercial purposes, to consist of four members from the Derby Pharmaceutical Committee and six from the Derbyshire Pharmaceutical Committee. Strong feeling was expressed regarding the inadequacy of the 0.8*d.* establishment charge, and it was resolved to circularise all panel chemists on the question of providing evidence, in order to help in the bringing about of a more adequate establishment-fee. A resolution was passed condemning the principle of "stock mixtures" as being a retrograde step and antagonistic to the best interests of insured persons. The question of the enlistment of chemists was dealt with at some length, and it was reported that a satisfactory conversation had taken place between the Clerk of the Insurance Committee and the Secretary on this matter. It was resolved, however, to communicate with the Insurance Commissioners and also with Lord Derby, pointing out the difficulties which would arise in the carrying through of Insurance contracts unless registered persons are exempt from military service.

Dorset Co.—A meeting of the Dorset County Pharmacists' Association was held on November 16 at Dorchester. It was agreed to accept the Tariff for 1916 on the understanding that every endeavour would be made to prove to the Commissioners that 0.8*d.* is an insufficient allowance for establishment charges. Several chemists in the county have promised to furnish figures of their business returns to assist in proving the claim for a better allowance. The Secretary (Mr. J. W. Cussons) stated that representations have been made to the Dorset Insurance Committee to continue similar local arrangements as have been included in the present and previous Tariffs—*i.e.*, "stock mixtures" not to be recognised (the Formulary will be continued for the benefit of doctors prescribing, "late fees" to be allowed, and aq. dest. to be used where "aq." simply is indicated. The annual report of the Association was also presented.

Ealing.—Mr. S. W. Harrison presided at a meeting of the Pharmacists' Association on November 16 when the Secretary (Mr. Skinner) gave an account of the Local Associations Conference and expounded the new Tariff. At the first whist-drive of the Association, which was organised by Mr. Roberts, ninety-three were present, and Mrs. Davies, Mrs. Brewer, Mrs. Ferris, Mrs. Richardson, Mr. Irwin, and Mr. Williams won the prizes, which Mrs. S. W. Harrison presented.

Flintshire.—A meeting of the Flintshire Pharmacists' Association was held at Flint on November 18 under the presidency of Mr. P. J. Ashfield. Whilst protesting against the inadequate and unjust remuneration offered by the new Tariff, it was resolved to continue Insurance dispensing.

Grimsby.—A meeting of the Grimsby Pharmacists' Association was held at the Oberon Hotel on November 17, Mr. Dewing (President) in the chair. There were also present five members and Mr. C. H. Ashton (Hon. Secretary). A discussion took place on the new Drug Tariff, and it was agreed that 0.8*d.* is too low as an establishment charge. Finally it was decided to accept the new Tariff for 1916, provided (1) all previous resolutions and agreements with the Insurance Committee are rescinded; (2) no supplies to doctors for surgery use are allowed under the new conditions; (3) the late fee for dispensing after usual hours is added to the new Tariff.

Halifax.—Mr. H. K. Woodward presided at a meeting of the Chemists' Association on November 17, seventeen other members being present. Mr. Stocks (Hipperholme) was elected a member. Mr. P. W. Swire having reported on the Conference in London last month, the North Riding recommendation not to accept the 1916 Tariff was considered, the Tariff also being discussed, and it was decided to accept it. The Secretary (Mr. R. V. Sutcliffe) was instructed to reply to Mr. Woolcock's letter regarding enlistment of pharmacists. Mr. Gibson Dixon described the new Licensing Order and its effect on off-licence holders.

Ipswich.—A meeting of the Ipswich Chemists' Association was held at the Great White Horse Hotel on November 17, the President (Mr. Clifton) in the chair. Seven members and Mr. C. Smalley (Hon. Secretary) were present. Action was deferred for the present on the matter of proprietary-medicines profits, brought forward in a letter from the Glasgow and West of Scotland Association. The adjustment of the Association's price-list followed, the prices of several tinctures being added. Mr. Edwards then drew the attention of the Association to several discrepancies in the charges of wholesale patent-medicine houses since the additional stamp-duty came in force. In some cases the exact difference of the stamp is being charged on the old cost, but in other instances varying amounts, from 3*d.* upwards, in excess of the stamp-duty are being charged. Mr. Edwards also brought to the notice of the members the suggestions of Mr. W. H. Saunders, of Liverpool, in THE CHEMIST AND DRUGGIST, in reference to rearranging patent-medicine prices. It was resolved to invite the Proprietary Articles Trade Association to take up the scheme of standardising the prices of proprietary articles. The new Insurance Tariff was next discussed. The Secretary submitted figures comparing the prices of several mixtures from the local Formulary under the present and the new Tariff, which showed an average reduction under the new Tariff of from 15 to 20 per cent. Ipswich, being an area with one of the lowest average "cost per prescription" in the country, would be hardly hit by the proposed alterations. The opinion was held that the establishment charge should be double the 0.8*d.* allowed. In regard to Christmas holidays it was suggested that members should keep their shops open on the Wednesday afternoon before Christmas Day, and close on the Wednesday afternoon, December 29

Lancashire (N.E.).—A meeting of the North-East Lancashire Chemists' Association was held at Blackburn on November 17, Mr. C. A. Critchley in the chair. The proposal to hold a meeting regarding the Proprietary Articles Trade Association was approved. It was agreed to support the campaign of the Glasgow and West of Scotland Chemists' Association on insufficient profit on proprietary medicines. It was resolved to interview the local Recruiting Tribunal regarding the recruiting of chemists in view of the needs of the public. The new arrangements for dispensing under the National Insurance Act for 1916, as submitted by the Insurance Committee, were considered and generally approved. Mr. Law reported that a clause had been inserted in the Tariff providing for the incorporation in chemists' agreements of additional provisions agreed upon between the Insurance and Pharmaceutical Commissions, and approved by the Commissioners. There was a general expression of opinion that the Insurance Act is being better understood and, apart from one or two difficulties, its administration was working fairly well. Reference was made to the loss the Association had sustained by the death of Mr. Daniel Yates, of Darwen Street. Mr. W. H. Grimshaw reported upon the proceedings of the Conference of Local Associations, at which he was a delegate.

Liverpool.—Mr. H. Humphreys Jones, F.C.S., presided at a meeting of the Chemists' Association on November 17, when Mr. William Kirkby, M.Sc., Ph.C. (Manchester), delivered an address on the *Pharmacist and the Public*, of which extracts were printed in our issue of November 20, p. 58. In brief, Mr. Kirkby's theme was that pharmacists have not risen to the highest possible for them as educated men, for they have failed to be recognised by the public and the medical calling as professional men. He submitted that if pharmacists had been a united body, determined, as other bodies of professional men are, to maintain a corporate standing and to raise their value in the eyes of the world, would not every pharmacist in the country have emphatically refused to become the qualified servant of an unqualified corporation? He pointed to what the founders of the Pharmaceutical Society had done by encouraging liberal education in the hope that the day would come when pharmacy would be esteemed as being worthy of the fostering care of the State. But examination became the essential thing and education was almost entirely lost sight of. The losing sight of the importance of education and sound professional training resulted in the admission to the ranks of pharmacy of a number of men who, for a slightly better salary, or perhaps rather shorter hours, were willing to take service with unqualified bodies which, by this means, managed to evade the requirements of a defective Act of Parliament. In this way the foundations of the body pharmaceutical were sapped and the whole structure was deplorably weakened. Mr. Kirkby proceeded to elaborate this, pointing out that the education and examination are not directed to what is needful to aid in buying and selling, necessary and useful as these may be; nor is the Minor examination or the preparation that leads up to it adequate to produce a pharmacist of professional status, and he insisted that some reform in this regard is needed, for in the future chemistry, along with engineering, is going to lift this country into the highest position in all departments of industry. With the enormous resources of crude products which our Fleet ensures arriving in our hands we ought to dominate the world. But it will only be well-organised knowledge that can accomplish it. Let us learn our lesson at once. The passages which we printed last week follow here, and, in concluding, Mr. Kirkby said the present is the proper time to press upon the Council of the Pharmaceutical Society the importance of dealing with professional pharmacy so as to ensure its being properly recognised as the handmaiden (not the scullery-maid) of medicine. The address was much appreciated by a good audience, and among the speakers were Mr. W. P. Evans and Mr. W. H. Saunders. Mr. Saunders expressed the hope that the address would be printed in full and circulated. He offered to bear the expense of the printing. This offer has been accepted.

London (N.).—A meeting of the North London Pharmacists' Association was held at Enfield on November 23 at Mr. Hepburn's pharmacy. Messrs. Skinner and Wolff attended to discuss Insurance matters and pharmacy generally. Some interesting light was thrown on various vexed topics and, with the promise by Mr. Skinner to arrange more frequent meetings at Enfield, the meeting closed with a vote of thanks to Mr. Hepburn.

Newcastle-upon-Tyne.—A joint meeting of the Newcastle-upon-Tyne Pharmacists' Association and the Northumberland Association of Pharmacists was held at Newcastle-upon-Tyne on November 17. Mr. John Harrison (Sunderland) was in the chair, supported by Messrs. Clague, Cormack, Flemming, and Patterson. There was a good attendance. Mr. W. J. Uglow Woolcock addressed the meeting on National Health Insurance dispensing and other topical matters. After questions had been answered the following resolution, proposed by Mr. M. Liddle (South Shields), was carried:

"That this conference of panel chemists condemns any alteration of the Tariff which will prejudicially affect the net remuneration which chemists have hitherto received for services rendered under the Insurance Acts. Therefore, while accepting the 1916 Tariff on trial, it records its conviction that the dispensing-fees and establishment charges allowed are both inadequate, and retains the right to require their revision after six months' practical experience of the operation of the Tariff."

A copy of the resolution is to be sent to the Insurance Commissioners.

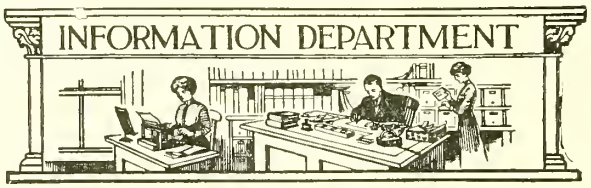
Society of Chemical Industry.—A meeting of the Edinburgh and East of Scotland Section was held on November 17, Professor Walker presiding. Mr. Allan Smith read a paper on "Wood Pulp." This was an account of the author's experience in Austria and Canada, especially as to the financing of timber owners in the former country.

West Ham.—The members of the West Ham, East Ham, and Metropolitan Essex District Association of Pharmacists held a whist-drive on November 18 at Earlham Hall, Forest Gate, from which the whole of the profits were given to the local Red Cross Fund. The members and their friends, to the number of sixty-two, had an enjoyable afternoon: play commenced shortly after 2.45 P.M. Miss Philipps, Miss Cavanagh, and Mrs. Hurry were the successful lady players for the first, second, and third prizes respectively. The gentlemen's prizes were taken by Mr. Potter, Mr. Gwinn, and Mr. Harold Mitchell. An extra prize (manicure set), presented by F. Newbery & Sons, Ltd., was won by Mrs. Mitchell. There will be about 5*l*. to hand over to the local Red Cross Fund.

Wolverhampton.—A meeting of the Wolverhampton Pharmacists' Association was held on November 15, Mr. E. E. Hall (President) in the chair. Fourteen members and Mr. J. H. Coleman (Hon. Secretary) were also present. The winners of the Association prizes (botany, Miss C. M. Lewis; chemistry, Miss Hurst) at the Technical School were announced. The Secretary read a letter from the Glasgow Association regarding price protection, and it was resolved to write to several firms asking them to place their preparations on the Proprietary Articles Trade Association's list. A Sub-Committee was formed to arrange a minimum price for several drugs affected by the war.

Women Pharmacists.—Miss C. A. Andrews presided at a meeting of the Association at Gordon Hall, Gordon Square, London, W.C., on November 16, when Miss Martin gave the second of her series of lectures on psychology, the subject being "The Brain and its Business."

Worcester.—A meeting of the Worcester City and County Pharmacists' Association was held at the Victoria Hotel, Worcester, on November 18, the President (Mr. Arthur E. Coverdale) in the chair. The new Tariff and conditions of service for 1916 were considered, and in the discussion Messrs. Corbett, Stroud, Biggs, and Munn drew attention to several points which are unsatisfactory from the panel pharmacist's point of view. The Hon. Secretary (Mr. Corbett) said the one redeeming feature is that the establishment charge is open to revision. It was eventually decided that in view of the present circumstances chemists would continue the pharmaceutical service for 1916.



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42/19. "Canis Panatis."
42/19. Howarth's "Red Cross" gluten flour.
41/51. Valerianates: supplies.
41/51. Benzo-naphthol, supplies.
41/69. "Dust-off," specially-treated sawdust used in cleaning cloth.
42/20. Oxley's essence of ginger: actual makers.
32/14. Syrup hæmatophosph.
45/37. Birch tar oil (crude), supplies.
45/69. American agencies for enamelled iron and glass hospital ware.
44/71. "Cremmin" powder, remedy for coughs in cows.
44/6. 2-oz. cannon essence bottles (or suitable substitute), also 2-dr. homœopathic vials: suppliers.
44/39. Life-saving suits for sailors, etc.
44/56. Makers of substitute for "Kiesow's Lebens Essenz" (formerly from Augsburg, Bavaria).
44/61. "Losotol" oil.
46/38. Vegetable albumen: supplies in quantity.
47/18. Foulger's lavender-water.
47/19. "Glyco-hyasol."

Drugs at War Prices.—Under this title the "Standard" published on November 19 an article telling how "German monopolies are being broken down" in this country. The matter is summed up by Mr. C. A. Hill, B.Sc., F.I.C., managing director of The British Drug Houses, Ltd.: "Notwithstanding that the supplies from Germany have been cut off, we are not at the present time without any essential drug."

Observations and Reflections.

By Xrayser II.

There is a Misunderstanding,

not, I should imagine, widespread, but certainly existing in some minds, with regard to the new dispensing-fees. It is that the fee (for instance) on ordinary mixtures is 2.8*d.*, *plus* 0.8*d.* for establishment expenses. I suppose the misunderstanding is due to the fact that in the Departmental Committee's Report of September 16 the establishment charge was separately explained. It was, however, distinctly stated in that Report that

"the dispensing-fee includes not only remuneration in respect of professional services, where such services are rendered, but also an allowance, at a rate per prescription, of all outgoings in the form of establishment expenses";

and with a few verbal alterations which do not affect the sense, this is repeated in the latest Tariff, where, as in the earlier one, it is made clear that this fee (namely, the old fee of 2*d.*, *plus* 0.8*d.*) is all the remuneration we shall get in addition to the charge for ingredients. This should be clearly understood before we come to a decision.

"Sufficiently Dignified and Profitable"

are the conditions under which Insurance dispensing will be willingly undertaken by our Shropshire brethren. There is no definition of the term "sufficiently dignified," but I may take it that it will be something like the way in which Mr. Jackson's panel friend works at Hereford—namely, one prescription in fifteen minutes—while "profitable," no doubt, involves remuneration on the same grand scale. Talk of this kind may be all very nice and convincing for old women, and for others who know nothing about dispensing, but it does not cut much ice with ourselves, or doctors or Insurance Commissioners—in fact, it simply exposes us to well-deserved ridicule. I can recall my assistant days at a famous West-end pharmacy, where it used to be the regular practice to sum up the week's record. Working from 9 A.M. to 8 P.M., with one and a half hour off, my week's total was often over 300, or

An Average of Fifty per Day.

These included pills, powders, emulsions, mixtures, with fresh infusions, together with copying the prescription and writing the label; and while there was no time for larking, we did not consider ourselves overworked. This works out at one prescription every twelve minutes. Will any sensible pharmacist argue that panel prescriptions would take longer? The idea is absurd. The utmost limit should not exceed five minutes per prescription on the average, and in a busy panel pharmacy more than half the Insurance prescriptions dispensed will average less than two and a half minutes each. Do let us clear our minds of cant in these matters. Bluff does all right for a time with some people, but we cannot fool all the people all the time.

The Scottish National Motto

warns me against anything savouring of interference in the affairs of the sister kingdom, but I must pay a tribute of admiration to the Standing Committee for their bold attitude towards the Commissioners. At the same time I sincerely hope that some compromise will be arrived at. No doubt our friends in the North know their own business best, and they are not usually lacking in astuteness. Still, I cannot say that my admiration goes the length of following their example, or of recommending English pharmacists as a body to do so. Scottish panel chemists have a stronger position than we, and I hope they will win; it will be the best of all demonstrations of the respective merits of the two systems to see them in operation side by side.

The Prohibition of Exports

was bound to lead to inconvenience, but if ordinary common sense be applied to the solution of such difficulties as arise I am quite sure that the Customs will be only too glad to meet shippers and exporters half-way. The example you give, writing-ink, is an extreme one, but, even so, why should the maker of the ink not declare whether it contains a dye, and, if so, to what extent? This is not going to injure his business, and if a clear statement be made and a licence to export be applied for, there is not the remotest chance of its being refused. The fact that so many articles are prohibited may well lead to a dislocation of trade if the letter of the law be enforced, but I fancy that it may have occurred to someone that the "thousands of pounds' worth of proprietary medicines" formerly passed simply on the word of the shipper and now held up, must contain very many of these prohibited lines, which might be present only in small proportion, but which in the aggregate would be by no means negligible. Shippers, of course, would do nothing else than return Brown's pills and Jones's ointment as non-prohibited lines, but if belladonna extract is contained in the one and nitrate of mercury in the other, why not so declare them and apply for a licence? If this is done systematically and honestly, we may rely on the Customs being satisfied; but if attempts are made to evade the issue, the only result will be to arouse suspicion in the minds of the officials.

The Standing of the French Pharmacist

is well illustrated by the regulations issued by the Director of the Sanitary Service of the French Army. Such responsible duties could not possibly have been imposed on any body of men who had not already occupied positions of influence among their fellows, and the fact that the French Army pharmacists are capable of undertaking the work assigned to them is evidence not only of their high scientific and practical training, but of the confidence placed in their ability and skill. Compare these positions with those to which English pharmacists are appointed, and we may well wonder what has gone wrong to prevent our brethren in the Army being utilised as the Frenchmen are. It is not that our men are incapable of undertaking duties such as those outlined—in fact, the average pharmacist would be much more useful for such appointments than any professional or ordinary business man could possibly be.

Patent Medicines,

though they have frequently been advertised in verse, have no obvious connection with poetry, but an essay in Mr. Glover's "Poets and Puritans" reminds me that Crabbe introduces them into one of his best-known poems, "The Borough." Crabbe began life as a surgeon and apothecary, and in the piece referred to the doctor is more apparent than the poet; it would make a good supplement to "Secret Remedies," and I am surprised that the British Medical Association have not used it in their campaign. Byron describes Crabbe as "Nature's sternest painter, yet her best," and the first epithet may pass, but hardly the second. His pictures are usually too gloomy to be true, and his denunciation of quackery, by which, as the custom of the profession is, he means unlicensed practice, is grossly exaggerated. It consists of all the stock charges, urged in the most violent fashion. The patent-medicine man is an ignorant and unscrupulous scoundrel, a fraud, a murderer, who employs his diabolical craft to delude and betray the public, thriving on their tortures, their fears, weaknesses, and folly. His wares, whether

Tincture or syrup, lotion, or pill,

are invariably trash; he corrupts the Press, and buys testimonials when he cannot beg them; he employs agents as venial as himself; he poisons infants with his "soothing" syrups; he exploits the nervousness of females and the vices of youth; he spends his illgotten gains in luxury and ostentation; and when he has to die

No thought of murder comes into his head.

There is no doubt some truth in all this, or was when it was written, but its absurdity as a picture of the state of physic even in 1810 is apparent. Yet Crabbe devotes 236 lines out of 296 of a poem on that subject to this kind of thing!

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Editorial Articles.

Exportation of Proprietaries.

There was a thorough discussion at the Chamber of Commerce, London, on Monday afternoon of the whole question of exportation of proprietary medicines and kindred articles, referred to in these pages last week, in consequence of the Government authorities holding them up until the shippers declare the nature of their contents. Sir Joseph Beecham, as Chairman of the Proprietary Articles Section of the Chamber, presided, and his task was easy, as the real object of the meeting had been met that morning by the Customs authorities in a letter to Mr. John C. Umney, who had gone into the matter with Mr. Gallacher, Chief Inspector of Customs, then with Mr. John Anderson, Secretary of the National Insurance Commission, the result being that the following letter was addressed to him:

Custom House, London, E.C.,
November 20, 1915.

Sir,—In reply to your letter of the 13th instant, addressed to the Chief Inspector, I am directed by the Board of Customs and Excise to inform you that exportation of proprietary articles will be allowed without Privy Council licence, provided the shipping documents contain either (*a*) a description of composition that does not disclose prohibited goods as ingredients, or (*b*) a declaration that the goods do not contain prohibited articles. The description or declaration must be made by the exporter or his authorised agent. In the absence of either description or declaration, or if the description given discloses the presence of any ingredients of which exportation is prohibited to the declared destination, a licence from the Privy Council will be necessary before exportation.

I am, Sir, your obedient servant,
(Sgd.) E. C. Cunningham.

Mr. John C. Umney,
Messrs. Wright, Layman & Umney, Ltd.,
44-50 Southwark Street, S.E.

The circulation of copies of this letter to the large gathering at Oxford Court raised an interesting discussion, one of the most prominent points brought out being that some manufacturers, who have little to do with shipping, have not followed very closely the alterations in conditions of exportation which have been made from time to time since war was declared. (We commend the observations on this point by a correspondent on p. 62.) In this connection we may point out that the prohibition list, so far as it concerns the drug-trade, was printed in the *C. & D. Diary*, 1915, pp. 405-6, so as to help manufacturers, merchants, and shippers; the additions made to it from time to time have been notified in the *C. & D.*, and the revised list issued in August was printed in the Supplement of our August 14 issue. The list has been added to since, and as augmented we are printing it in the *C. & D. Diary*, 1916. The complete list, including all merchandise whose exportation is under control, is periodically published in certain official papers, all Customs notices and Proclamations being printed every Thursday in the "London Customs Bill of Entry." We use the word "control" advisedly in connection with proprietaries, as absolute prohibition is rare. In the circumstances of the times, conservation of stocks of certain articles in this country is clearly essential, and the existence of the National Health Insurance Commission made it possible in the earliest days of the war to get a grip of the stocks of medicinal materials and products. This was done by the publication of a prohibition list in the second week of August 1914, which, as stated, has been added to on several occasions since. Now it has become necessary still further to conserve supplies (values of which have gone up enormously) by keeping control of the exportation of preparations containing the prohibited articles. The opinion of the meeting was that the way in which the authorities have done this as regards proprietary medicines was somewhat arbitrary, but Mr. Umney's explanations to the authorities and the prompt remedying of the first conditions prove that the authorities are not unreasonable; indeed, Mr. Glyn-Jones assured the meeting that the proper course is to work *with* the authorities, and to do everything to help them in these abnormal times. It was in this spirit that the meeting appointed

a Committee of six members to co-operate with the authorities. The meeting also readily welcomed Mr. Umney's promise to inform Mr. Cunningham of this fact, and of the satisfaction which his letter gave the meeting, so that a *modus vivendi* is established. It will be noticed from the letter on p. 50 that the onus of declaration lies upon the shipper, whoever he may be—manufacturer, wholesaler, or merchant shipper. The manufacturer should have little difficulty, as he knows what is in the goods; if a preparation does not contain any prohibited article the manufacturer should make that fact known to all who buy from him, if not generally, so that they may use his declaration when shipping parcels containing the preparation. This accords with the alternative *b* in Mr. Cunningham's letter; *a* seems a little obscure, but we take it to mean this: Supposing the preparation is a pill containing aloes, podophyllin, and extract of taraxacum, it is a composition free from prohibited goods, and a declaration of the ingredients would be equivalent to the declaration *b*. Declaration *a* is therefore to be preferred. On the other hand, if the pill contains extract of henbane, this fact has to be declared, and, extract of henbane being on the prohibited list, the pill will not be allowed to be exported until the Privy Council gives the exporter or manufacturer a licence. Naturally it is the manufacturer who has to see to this, and we may say that such licences are being issued officially almost daily. We must again impress upon all manufacturers whose goods contain any prohibited article that they should take immediate steps to secure the Privy Council's licence. In the first instance they should communicate with the Secretary of the London Chamber of Commerce, Oxford Court, London, E.C., telling him in confidence (1) the nature of their goods, (2) the prohibited ingredient which they contain, and (3) giving instances (if any) of any which have been held up by the Customs in any part of the United Kingdom.

We append the letter which Mr. Umney has sent in accordance with his promise:—

November 23, 1915.

E. C. Cunningham, Esq.,
Secretary to the Customs and Excise,
Custom House, E.C.
Your letter No. 198122 S.C.

Dear Sir,—Your letter of November 20 arrived most opportunely, as a meeting representative of proprietary articles interests, including home distributors and shippers, had been called at the London Chamber of Commerce for yesterday afternoon, under the chairmanship of Sir Joseph Beecham. I had a considerable number of copies made of your letter, and distributed at the meeting, and I am desired to thank you for same.

In order to co-operate with you in the carrying out of what must be an extremely complicated task, a small representative Committee was appointed, which will, if you desire it, be pleased to confer with you, or the War Trade Department, on any points of difficulty which may arise. The Committee consists of representatives of proprietary, shipping, and distributing interests, the names of the members being: W. S. Glyn-Jones, Esq., M.P., Secretary of the Proprietary Articles Trade Association; Mr. W. C. Stewart (of May, Roberts & Co., Ltd.), representing distributing interests; Mr. Fred Grimwade (of Grimwade, Ridley & Co.), representing shipping interests; Mr. Kenningham (Messrs. Condy & Mitchell, Ltd.), representing manufacturing interests; Mr. Layman (Chiswick Soap Company), and myself.

The complete disclosure of formulæ would, of course, have been absolutely impossible, for the reasons set out in the notice convening the meeting referred to.

Faithfully yours,
John C. Umney.

* * *

We are having our *Diary* table referred to in the foregoing article reprinted as a sheet for office use. Any advertiser in or subscriber to The Chemist and Druggist who would like a copy of it free should send us a stamped and addressed foolscap envelope. The reprint will be ready on Monday.

Insurance Prescription-pricing in 1916.

We are authorised by the Insurance Commissioners to state that after December 31, 1915, panel chemists *will not be required to price Insurance prescriptions*, also to say that statements to the contrary, even by representatives of Insurance Committees, have been made under a misapprehension, and that the new regulations definitely provide for pricing being done by Insurance Committees (see *C. & D.*, November 20, p. 50). Conferences are now being held with representatives of Insurance Committees as to the arrangements for pricing by them. We have been informed that it is proposed to set up in England and Wales twelve bureaus similar to the Glasgow one, but this has not yet been determined, although it may be considered during the Conferences referred to; in any case, chemists will not be asked to do the pricing.

Inferior Saccharin.

We learn that some parcels of so-called saccharin are on the market, of which buyers should be aware. It is sold as "550" but is really "330," does not respond to the B.P. acetine test, and yields a great excess of ash—in one case 9 per cent. of residue was obtained on incineration. Obviously such "saccharin" is dear at any price.

"The Lancet" on Laudanum.

Referring to the General Medical Council's suggestion to put all preparations containing more than "0.75 per cent." in Part 1 of the Poisons Schedule "The Lancet" says: "It is commonly recognised that it requires much effort and great patience to secure any alteration in the Schedule of Poisons, and we fear that it may be long before such a simple change can be effected, though all medical men may be convinced that it is desirable." This suggests that medical men are the arbiters in this matter, pharmacists and the public being out of it. Surely the drug-trade knows more about the facts than the medical profession.

Chloroform and Ether Import-duties.

Clause 13 of the Finance (No. 3) Bill, 1915, which passed the Committee stage in the House of Commons on Tuesday, proposes to repeal the third Schedule to the Finance (1909-10) Act, 1910, which specifies the import duties upon chloral hydrate, chloroform, collodion, acetic ether, butyric ether, sulphuric ether, ethyl iodide, ethyl bromide, and ethyl chloride. It was opposed by chloroform and ether manufacturers in this country for the reasons which we have already explained. Mr. Montagu, Financial Secretary of the Treasury, received a deputation of those manufacturers on October 21, when the effect of the proposal was shown to him to be highly detrimental to British industry. We now learn that the Chancellor of the Exchequer proposes to withdraw the clause on Report, thus restoring the duties on the articles specified.

Recruiting and Insurance Dispensing.

It will be observed that exemption or "starring" of recruits for the Army under Lord Derby's scheme has been granted to certain persons connected with the drug-trade—retail and wholesale. The exemption consists in enabling certain persons to enlist in the Army Reserve, whereby they immediately return to work to remain there until called upon, and then their case as presented by the employer will be considered by the local tribunal. (See p. 38 for the exact conditions.) The provision for the retail is limited to "chemist in the term of a person

dispensing medicines under the National Insurance Act." This necessarily limits the exemption to pharmacies the proprietors of which are panel chemists—*i.e.*, registered chemists and druggists, limited company chemists, and firms of chemists in Scotland who are under contract with Insurance Committees to dispense medicines. Any person among these is covered by the provision, also their employés engaged in dispensing either under their own qualification, or, we presume, under the supervision of the qualified employer. The latter point is doubtful, but we see no reason why in desperate cases the claim should not be made. We do not consider the provision to be adequate, for its restriction to panel chemists necessarily excludes many pharmacies where medicines are dispensed for the rich and well-to-do alone. Did the Insurance Commissioners (the advisers in this) regard the possibility of making this opportunity a lever to force chemists to renew or make dispensing agreements with Insurance Committees for 1916? If so, we say frankly it is unworthy of them.

Commissions for Army Pharmacists.

It will be noted from our Pharmaceutical Roll of Honour this week that two Canadian pharmacists, who are in the Canadian Contingent of the Army and attached to a hospital at Shorncliffe as dispensers, have received commissions as lieutenants. At a time when all efforts on behalf of home dispensers in the Army are proving futile this news is encouragement to go on. In this connection we venture to quote from a letter received this week from an Irish pharmacist who is in France :

> Last year I was full of ardour and wished to offer my services to the Colonel in command of the R.A.M.C. in one of the depôts in France. I spoke to him rather politely, wishing to enlist as chemist or no matter what. He replied rather gruffly: "Are you a doctor?" I replied "No, I am a pharmacist (qualified), who knows his work, speaks fluently French, and is willing to help." He did not thank me, but said rather gruffly, "No, we don't want you; go away." Are we to be treated like that, or are we to be recognised as respectable professional men?

Our correspondent also refers to the position which pharmacists have in the French Army, and which, as recently reported in the *C. & D.*, has been improved, but the point of these observations is—now that Canadian pharmacists have as such obtained commissions in the British Army, the War Office has a precedent for doing the same for home men. We trust that Mr. Glyn-Jones will not relax his efforts on behalf of his fellow-pharmacists.

Insurance Dispensing Contract for 1916.

We said last week (p. 50) that the acceptance of the new conditions for Insurance Act dispensing by chemists does not tie them beyond June 30. This was written in the belief that the arrangement between Mr. Charles Roberts, M.P., and the deputation of the Executive Committee was provisional until then. We may say that we are not alone in having gathered this impression from the statement at the Conference, and it will be observed that in Scotland service during the first six months of 1916 was all that was agreed to by the Pharmaceutical Standing Committee and the Insurance Commissioners, so that it was not unreasonable to conclude that the same applied to England and Wales. Mr. Woolcock informs us that it is the payment which will be provisional, but the agreement will be for the whole year up to December 31, 1916. If the Pharmaceutical Society is able to prove to the Insurance Commissioners that 0.8*d.* is too low an establishment charge, contractors will receive any higher charge that the Society demonstrates to be correct, and this will be paid as from January 1. Otherwise the contracts and payments will go on according to the new Tariff, and if any contractor does not desire to continue he may retire on the regulation conditions (Article 19) with the Insurance Committee's consent. We may repeat that Friday, December 3, is the last day on which Insurance Committees can receive from present dispensing and other contractors written notice to exclude their names from the 1916 lists. If such contractors do not give written notice by that date they must continue their service subject to the above condition, and payments according to new Tariff. So far as Scotland is concerned, panel chemists are practically unanimous in refusing to continue their service, but we notice that "The Scotsman" is counselling some *modus vivendi*—substantially, however, what the Pharmaceutical Standing Committee proposed : service during the first six months of the year on the present terms. There is a feeling that this will be granted. It will be noticed (p. 56) that Southend-on-Sea chemists are advocating that the 1915 terms should not be accepted in England and Wales.

Proprietary Medicines in the New World.

The drug-trade in Canada and the United States is having troubles about proprietary medicines similar to what are being experienced here; in U.S.A. it is the declaration of formulæ and in Canada exemptions. The following paragraphs sum up the situation :

U.S.A.—The section of the Sanitary Code of New York City, under which manufacturers of proprietary medicines are required to register with the Board of Health the names of the active constituents of their preparations or must publish the names on the package, itself comes into force on January 1. The Proprietary Association of America has decided not to comply with these requirements, but to defend any dealer who is prosecuted for not conforming to the ordinance. Many wholesale dealers, on the other hand, have announced that they will not handle any proprietary medicines which do not comply with the Ordinance. The retail druggists have opposed the Ordinance consistently from the time it was first proposed.

Canada.—Many uncertainties existed in regard to proprietary articles to which war stamps should be affixed. In reply to a Committee of the retail druggists of Vancouver, B.C., the Inland Revenue Department has now compiled the following list of articles which are not subject to medicine stamp-duty : Unfermented juice of the grape, ordinary lime-juice and lime-juice cordial; infants' foods, such as Horlick's malted milk; Nestlé's food, lactated food, and Imperial Granum; vaseline (not preparations thereof); belladonna-plaster B.P., ordinary Court plaster, and adhesive plaster; ordinary cough-drops concerning which no claim is made by the makers as a remedy or specific for any disease or affection; all *bona-fide* toilet-soaps, whether in liquid, solid, or powder form; physicians' prescriptions, with the exception hereinafter noted; Seidlitz powders, aromatic and tasteless castor oil, when sold simply as such and without a proprietary name attached; fruit-syrups; linseed, liquorice, and chlorodyne lozenges, when not covered by letters patent, nor by accompanying literature, making any claim for exclusive right of manufacture by the producers, or indicating that it is a remedy or a specific for any disease; louse-killers, powder or liquid; liquid peptonoids, which are prepared merely from beef, milk, and wheat, and recommended on dietary grounds; lithia-tablets, when not associated with the name of any particular maker. Further decisions are that dispensed medicine consisting entirely of proprietary medicines must be stamped at the time of sale, but if the proprietary medicine is only part of the prescribed medicine, the package from which the ingredient is taken must be stamped.

It is interesting to note that the New World is going back to principles which were established here in the eighteenth century, as one result of the American War of Independence, and embodied in our Medicine Stamp laws founded in 1785.

Hugh A. Hughes, gum-merchant, 20 and 21 St. Dunstan's-Hill, Eastcheap, E.C., was granted his discharge at the London Bankruptcy Court on Thursday, November 25, subject to the customary two years' suspension, immediate discharge being refused.

Christmas Trade.

A short series of articles on the present opportunity for retail chemists to increase the normal takings by special Christmas sales.

II.—HELPING CHRISTMAS CUSTOMERS.

THE following suggestion for a window-display, if carried out between now and Christmas, will prove a profitable and novel means of increasing business.

The first step is to arrange with a good Press Agency for the supply of a topical war picture every Monday morning, stipulating that each one shall have British soldiers or sailors for its subject. When this matter has been settled and the size of photograph decided, obtain a piece of board large enough to allow a 3 in. margin all round the picture, cover this with black or navy-blue cloth, and you have a suitable mount to fasten the new picture to, on its arrival each Monday morning. Four drawing-pins complete it. At a little extra cost a suitable frame could be purchased, which would greatly improve the display. Next rig up some device for supporting the board or frame in the centre of the window, 18 in. or more from the glass, in the line of vision of a person standing on the footpath, and in such a way that it can be easily removed for changing the picture.

On a piece of stiff cardboard sketch a post-office pillar-box, 9 to 12 in. in height, colour it, and cut out. Glue a piece of wood to the back for standing purposes. Obtain sufficient Union Jacks and bunting to drape the back of the window, three or four dozen yards of red, white, and blue ribbon ⅛ in. wide, a good supply of price-tickets, and the following cards, which any ticket-writer will supply:

(1 **"Britain's Bulldogs,"** on a card measuring about 18 in. by 4 in.; (2) **"The Connecting Link."** 12 in. by 2½ in.; (3) **"Things for Their Comfort,"** 24 in. by 4 in; (4) **"Don't wait until the last minute to send your Christmas Parcel to our Soldiers and Sailors. The Post Office is making special arrangements for delivery, you can assist them by sending your parcel early,"** 12 in. by 8 in.

Everything is now in readiness for the display. Dress the window with groups of articles which suggest themselves as useful for the comfort of the men in the fighting line or preparing for it, commencing with small articles at the front of the window and the larger ones at the back; mark the price and approximate weight plainly on each group, and from each run a ribbon through the slot of the pillar-box to the bottom of the picture. Suspend the cards from the top of the window, No. 1 card over the photograph, No. 2 over the pillar-box; place No. 3 card on the bottom of the window well to the front, and stick No. 4 card on glass at top of window.

Now the suggestion for making it something more than an ordinary window-display. It explains itself.

Have a card printed for window, also a few thousand counter-bills with an advertisement on one side and the following or similar wording on the other:

HOW YOU CAN OBTAIN ONE OF MY REAL WAR PHOTOGRAPHS, FREE OF COST.

Having arranged to have a new war photograph supplied each week, for display in my window, I have decided to offer them as gifts to my customers. A receipt will be given with all articles purchased for soldiers or sailors, and the person producing receipts for the largest total during the previous week will be presented with the real photograph, actually taken at the front, now on view in my window."

Any other form of competition could be arranged, having the war photographs as prizes. The following is a list of articles suitable for sending to the front:

Boracic powder, boracic vaseline, carbolised vaseline (in tubes preferably), strapping plaster (packed flat, not rolled), small bottles of iodine with brush, bottles of essence of peppermint and ginger, cigarettes, pipes, Allenbury, Bovril or Plasmon chocolate, soaps, notepaper, postcards, safety-razors, shaving brushes and soap, tooth brushes and pastes, cough-lozenges, chilblain-remedies, cascara or phenolphthalein tablets, body-belts, socks, sleeping-helmets, newspapers and magazines, pens, pencils, needles and thread, bootlaces, string, bachelors' buttons, safety-pins, handkerchiefs, condensed milk, sardines, insect-powder, peppermints, bullseyes, ammoniated-quinine capsules, and hand-warmers.

I do not suggest that chemists should supply all these articles, but rather that they utilise the list to help customers when making up their Christmas parcels. Offer to pack the parcels for them, utilising empty lozenge and other boxes for the purpose—in fact, do all you can to make it easy for your customers to send goods to the Front. A little help in this direction, which costs nothing but your time, will go a long way towards making new and lasting customers. The following particulars of postal rates, etc., to France and the Mediterranean, also to prisoners of war interned abroad, will help you in giving information to your customers:

Parcel-post rates to France:
Up to 3 lb., 1*s.*
3 lb. to 7 lb., 1*s.* 4*d.*
7 lb. to 11 lb., 1*s.* 7*d.*

Parcel-post rates to the Mediterranean:
Up to 3 lb., 1*s.*
3 lb. to 7 lb., 1*s.* 9*d.*
These rates are by the all-sea route only, and parcels sent thus cannot be registered, insured, or expressed.

Letters, Postcards, Parcels, and Money Orders may be sent free of all postal charges to prisoners of war of whatever nationality) interned abroad, and to British civilians interned in Austria-Hungary and Germany.

Further particulars can be obtained at the nearest post-office.—*H. E. Kendrick.*

Prescription Problem.

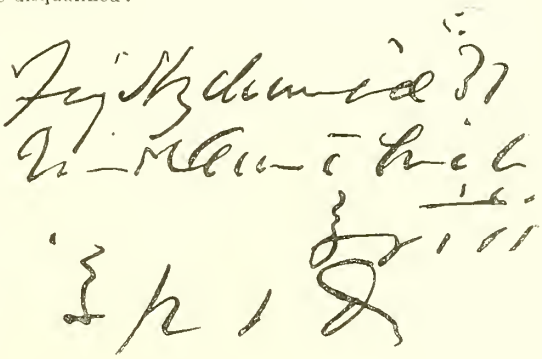
CONSIDERABLE interest was taken in the problem in prescription-reading which appeared in the *C. & D.*, October 16 (Supplement, p. xxxii), as shown by the number of postcard replies received from our readers. The correct transcription of the prescription reproduced in that issue is as follows:

Ung. Hydrarg Am. dil.	ʒij
Liq. Hydrarg Perchlor	ʒiij
Pot. iod.	ʒij
H. Niger	ʒj
Aq ad	ʒxvj

ʒss 4 in die.

With the exception of the name of the ointment and that of the third ingredient of the mixture, the prescription presented little difficulty. Many competitors failed to recognise that the first line represented a separate preparation, the absence of the term "R." probably contributing to this. The third ingredient of the mixture, however, proved to be the chief stumbling-block, the most popular renderings for this item being "Tr. zingib." and "Syr. zingib." Several competitors, who were otherwise correct, lost marks by writing in full abbreviations used by the prescriber. We award a copy of "The Art of Dispensing" to Mr. N. Cooke, 38 Shrewsbury Road, Bolton, Lancs.

The following facsimile forms the subject of the next competition. Postcard transcriptions of it should be posted not later than December 4. The prize will be awarded at the discretion of the Editor, and in case of close competition the time of posting will be taken into account. Competitors who send more than one postcard solution will be disqualified:



BELGIAN DOCTORS' AND PHARMACISTS' RELIEF FUND.—The following subscriptions have been received since the last published list: North Ayrshire Pharmaceutical Association, per Rankin & Borland, 1*l.* 1*s.*; J. W. Thompson (receipts from dependants' scripts), 16*s.* Further subscriptions may be sent to Mr. W. J. Uglow Woolcock, 17 Bloomsbury Square, London, W.C.

Insurance Pharmacopœias.

We continue the comparison of stock-mixture formulæ as given in the local Pharmacopœias which have been issued by Local Medical Committees and Pharmaceutical Committees in connection with Insurance Act dispensing. The series commenced in the *C. & D.* of January 30, 1915 (p. 142). Each of the formulæ is given in a single dose, and the quantities are in parallel columns to facilitate comparison. Each column is numbered, and the names of the areas with alternative names for the prescriptions are indicated by the numbers.

Mist. Rhei Co.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Sodii bicarb. ...	10 gr.	10 gr.	10 gr.	20 gr.	15 gr.	10 gr.	10 gr.	10 gr.	10 gr.	5 gr.	10 gr.	10 gr.	10 gr.	7½ gr.	10 gr.	15 gr.	15 gr.	10 gr.
Pulv. rhei	—	5 gr.	5 gr.	4 gr.	4 gr.	8 gr.	5 gr.	—	4 gr.	—	7½ gr.	—	3 gr.	3¾ gr.	—	5 gr.	5 gr.	4 gr.
Magnes. carb. ...	—	—	10 gr.*	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Ammon. carb. ...	—	—	—	3 gr.	—	—	—	3 gr.	3 gr.	—	3 gr.	—	—	—	—	—	3 gr.	3 gr.
Tr. rhei co.	—	—	—	—	—	—	—	20 m.	—	—	—	—	—	—	10 m.	—	—	—
Inf. rhei	120 m.	—	—	—	—	—	—	—	—	30 m.	—	120 m.	—	—	—	—	—	—
Spt. chloroformi ...	10 m.	—	—	—	—	—	—	—	—	10 m.	—	—	—	—	—	—	—	—
Spt. ammon. arom....	—	—	15 m.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Tr. zingib.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	10 m.	—	—	—
Ol. menth. pip. ...	—	—	—	⅓ m.	—	—	—	—	—	—	⅛ m.	—	—	—	—	—	—	—
Inf. gent. co. ...	—	—	—	—	—	—	½ oz.	—	—	—	—	—	—	—	—	—	—	—
Aq. anisi	—	—	—	—	—	—	—	2 dr.	—	—	—	—	—	—	—	—	—	—
Aq. chloroformi ...	—	—	—	—	—	—	—	—	—	—	—	—	120 m.	—	—	—	—	—
Inf. gent. co. to	1 oz.	—	—	—	—	—	—	—	—	½ oz.	—	—	—	—	1 oz.	—	—	—
Aq. carui ... to	—	½ oz.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Aq. cinnam. to	—	—	½ oz.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Aq. menth. pip. to	—	—	—	—	½ oz.	½ oz.	1 oz.	—	1 oz.	—	—	½ oz.	—	—	—	1 oz.	1 oz.	½ oz.
Aq. chloroformi to	—	—	—	½ oz.	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Aq. ... ... to	—	—	—	—	—	—	—	½ oz.	—	—	—	—	½ oz.	½ oz.	—	—	—	—

1, Birmingham (Mist. rhei c. gentiana); 2, Bournemouth (Mist. rhei c. soda); 3, Bradford; 4, Doncaster (Mist. rhei c. soda); 5, Dorset (Mist. rhei c. soda); 6, Gateshead (Mist. rhei et soda); 7, Gosport (Mist. gent. alk.); 8, Hull (1915); 9, Leicestershire; 10, Liverpool (Mist. stomachica); 11, Sheffield; 12, Essex (Mist. rhei alk.); 13, Essex (Mist. pulv. rhei alk.); 14, West Hartlepool (Mist. rhei c. soda); 15, Leicestershire (Mist. stomachica); 16, Birmingham (Mist. sodii c. rheo); 17, Birmingham (Mist. sodii c. rheo c. ammonii carbonatis); 18, Bournemouth (Mist. rhei ammon. c. soda). * Pond

Mist. Sodii Salicylatis.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Sodii salicyl.	15 gr.	15 gr.	10 gr.	20 gr.	10 gr.	10 gr.	10 gr.	10 gr.	10 gr.	10 gr.	10 gr.	15 gr.	10 gr.	10 gr.
Pot. bicarb.	—	—	10 gr.	—	—	10 gr.	—	—	—	15 gr.	—	20 gr.	—	15 gr.
Sod. bicarb.	—	30 gr.	—	30 gr.	20 gr.	—	7½ gr.	—	15 gr.	—	—	—	20 gr.	—
Sodii sulphat.	—	—	—	—	10 gr.	—	—	—	—	—	—	—	—	—
Ammon. carb.	3 gr.	—	—	—	—	—	2 gr.	—	—	—	3 gr.	—	—	—
Tr. aurantii	—	—	5 m.	10 m.	—	—	—	—	—	—	—	—	—	—
Sacch. ust.	—	—	—	—	—	—	15 m.	—	—	—	—	—	—	—
Ext. glycyrrh. liq.	—	—	—	—	—	—	—	—	—	—	—	3½ m.	—	—
Inf. gent. co.	—	—	—	—	—	—	—	—	—	½ oz.	—	—	60 m.	—
Inf. gent. co. ... ... to	—	—	—	—	—	—	—	½ oz.	—	—	—	—	—	—
Inf. cascarillæ ... ... to	—	1 oz.	—	—	—	—	—	—	—	—	—	—	—	—
Inf. aurantii ... ... to	—	—	—	—	—	—	—	—	—	—	—	—	—	½ oz.
Aq. camph. ... ... to	—	—	—	—	—	½ oz.	—	—	—	—	—	—	—	—
Aq. chloroformi ... ... to	—	—	—	—	½ oz.	—	—	—	—	1 oz.	—	—	—	—
Aq. menth. pip. ... ... to	1 oz.	—	—	—	—	—	—	—	—	—	½ oz.	—	—	—
Aq. ... ... to	—	—	½ oz.	1 oz.	—	—	½ oz.	1 oz.	½ oz.	—	—	½ oz.	½ oz.	—

1, Birmingham; 2, Birmingham (Mist. sodii salicylatis co.); 3, Bournemouth; 4, Bradford; 5, Doncaster; 6, Dorset; 7, Gateshead (Mist. antirheumatica); 8, Gosport; 9, Hull (1915); 10, Leicestershire; 11, Liverpool; 12, Sheffield; 13, Essex; 14, West Hartlepool.

Mist. Valerianæ.

	1	2	3	4	5	6	7	8
Tr. valerian. ammon.	30 m.	30 m.	30 m.	10 m.	15 m.	30 m.	30 m.	30 m.
Tr. hyoscyami	—	30 m.	—	—	—	—	—	—
Spt. ammon. fœtid.	20 m.	—	20 m.	—	—	—	—	—
Pot. brom.	—	—	—	10 gr.	10 gr.	—	10 gr.	10 gr.
Ammon. brom.	—	—	—	—	—	—	—	—
Aq. camph. ... ... to	½ oz.	½ oz.	½ oz.	½ oz.	—	—	—	—
Aq. ... ... to	—	—	—	—	1 oz.	½ oz.	1 oz.	½ oz.

1, Bradford (Mist. valerian. comp.); 2, Dorset (Mist. valerianæ comp.); 3, Dorset (Mist. valerianæ fetidi); 4, Essex (Mist. valer. co.); 5, Gosport (Mist. pot. brom. et valerian.); 6, Hull (1915); 7, Leicestershire; 8, Sheffield.

Mist. Tussis Nig.

	1	2
Chlorodyni (B.P. '85)	5 m.	—
Acet. scillæ	20 m.	—
Ext. glycyrrh. liq.	5 m.	11¼ m.
Theriacæ	30 m.	—
Tr. camph. co.	—	15 m.
Vin. antimon.	—	7½ m.
Syrupi	—	30 m.
Aq. ... ... to	½ oz.	½ oz.

1, Doncaster; 2, West Hartlepool.

Mist. Tussis Rubra.

	1	2	3	4	5	6
Acid. hydrocyan. dil.	2 m.	—	2 m.	1 m.	1⅞ m.	2 m.
Acid. hydrobrom. dil.	15 m.	15 m.	—	15 m.	—	—
Liq. morph. hyd. ...	5 m.	—	7 m.	—	7½ m.	7 m.
Syr. tolutani	30 m.	—	20 m.	—	15 m.	20 m.
Syr. rhœados... ...	30 m.	25 m.	—	—	—	—
Acet. ipecac.	—	5 m.	—	—	—	—
Acet. scillæ	—	15 m.	—	—	—	—
Morphin. acet. ...	—	—	—	$\frac{1}{30}$ gr.	—	—
Syr. pruni virg. ...	—	—	—	½ oz.	—	—
Inf. rosæ acid. to	—	—	½ oz.	—	½ oz.	—
Aq. chloroformi to	½ oz.	½ oz.	—	—	—	—
Aq. ... ... to	—	—	—	—	—	½ oz.

1, Bradford; 2, Doncaster; 3, Hull (1913) (Mist. Brompton); 4, Sheffield; 5, West Hartlepool (Mist. Brompton); 6, Hull (1915) (Mist. acid. hydrocyanici).

Business Changes.

Authenticated notes are inserted without charge if not in the nature of advertisement, and subject to Editorial approval.

The British Wax Refining Co., Ltd., has commenced business at 5 Rangoon Street, Crutched Friars, London, E.C. Mr. S. C. Case Green is managing director.

Whysall & Son, chemists and druggists, Grantham, have purchased the prescription and recipe books connected with the business of the late W. W. Simpson, chemist and druggist, Grantham.

Mr. Francis H. Ireland, chemist and druggist, Blackburn, formerly with Boots, Ltd., in London, has purchased the business in Bawdlands, Clitheroe, carried on by the late J. W. Hoyle, chemist and druggist.

Knight & Co., pharmacists and dispensing chemists, have recently started business at 23 Northumberland Avenue, London, W.C. The pharmacy has been very neatly fitted by Sangers. It is almost opposite the Hôtel Métropole, and the National Liberal Club, Whitehall Mansions, the War Office, and other Government buildings are round the south-west corner of the Avenue.

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Insurance Act Dispensing.

A Record of matters concerning Chemists' interests in the National Health Insurance Acts.

Reports from Local Centres.

With special reference to the supply of medicines and appliances. See also Associations' Winter Session.

ENGLAND.

Birmingham.—Mr. C. Thompson presided at a meeting of panel chemists on November 24, when Mr. Woolcock and Mr. F. J. Gibson explained the new Tariff. After a long discussion, a resolution was passed expressing the opinion that the terms offered in the new Tariff are inadequate, particularly as regards the establishment charge; but in view of the national crisis it was not desired to do anything to embarrass the Government, and the terms were accepted under protest and in the hope that more equitable treatment would be given at an early date.

Buckinghamshire.—We reported last week that this County Insurance Committee had passed a resolution to the effect that the agreements proposed for 1916 are unfair to chemists, and that the Committee protest and ask the Commissioners to allow the present terms to remain in force in this area. This report came to us from a contributor whose accuracy we had no reason to suspect. Mr. H. Broughton, Clerk to the Committee, informs us that the statement is without foundation, and we regret that we should have given publicity to it.

Cheshire.—The Pharmacists' Association met at Manchester on November 17. Details given by the Secretary of the condition of the Drug Fund for 1915 showed that there is a large deficit to date. The new Tariff was explained by Mr. Deakin, and a resolution carried to accept it subject to some conditions which have not been communicated to us.

Essex.—Mr. C. Goode, Secretary of the Pharmaceutical Committee, has received a number of inquiries from panel chemists in regard to pricing of prescriptions after December 31, 1915, and asks us to assure all concerned that panel chemists will not be required to price prescriptions. They will simply have to send them to the Pricing and Checking Bureau for East Anglia, and when they get them back again they have only to make out the "statement of account" for the customer—in this case the Insurance Committee.

Grimsby.—The Pharmaceutical Committee met on November 11, when Mr. H. Jowett was elected a member in place of Mr. Mitchell, who has left the town. The new Tariff was accepted with the provisos referred to in the report of the Grimsby Association. Following upon a scrutiny of prescriptions for the third quarter of 1915, attention was called to several prescriptions for gauze, and others upon which there were no addresses. It was decided to price unscheduled drugs by Evans Sons Lescher & Webb's monthly price-list.

Hertfordshire.—The Insurance Committee on November 22 considered a complaint from the Pharmaceutical Committee regarding irregularities during the second quarter of 1914. On behalf of the Medical Benefit Sub-Committee it was stated that a doctor wrote prescriptions without putting in quantities and a firm of chemists dispensed these, sometimes filling in the quantities and charging for them accordingly; but in other cases the quantities were not filled in, and in these 8-oz. mixtures were charged for. The Sub-Committee had interviewed the doctor and chemist. Mr. Gabarn, in moving the adoption of the report, expressed the hope that the Committee, apart from any steps that the Commissioners intend to take, would express their very strongest opinion that doctors should fill in the quantities when they write prescriptions. The Committee adopted the report and approved the Committee's action.

Leeds.—The Insurance Committee on November 18 adopted the new Tariff.

London.—The business before the Insurance Committee at the meeting at Spring Gardens, S.W., on November 25, included a number of items of special interest to panel chemists. The Finance Sub-Committee recommended that the payment to panel chemists of 5*d.* per prescription cannot be continued, but that subject to the concurrence of the Pharmaceutical Committee 75 per cent. of each chemist's account should be paid in respect of the period April to October 1915. The Committee also reported upon the Drugs and Appliances Department, chiefly with reference to the Panel Committee's defection. The expenses of the Department from May to December 1914 amounted to 2,549*l.* 8*s.* 9*d.*, of which 2,169*l.* 14*s.* 7*d.* was chargeable to this Committee and the balance to Middlesex. This year the expenses have been greater owing to the heavy cost of the preparation of statistics required by the Panel Committee, and the Finance Sub-Committee accordingly recommended that the Panel Committee should be informed that their contribution of 800*l.* is not an equitable contribution, and they are to be asked to reconsider the amount. Eight cases of excessive ordering of drugs by panel practitioners had been reported by the Pharmaceutical Committee, and all the facts were submitted to the Panel Committee, who reported that the prescribing was not in excess of what was reasonably necessary. Complaints against a number of panel practitioners were investigated and reported upon by the Medical Benefit Sub-Committee. It transpired in one that the practitioner had as an assistant a masseur who had written "repeat" prescriptions in the name of his employer, and these were dispensed by a chemist next door, who pointed out that spelling mistakes in the prescriptions were frequent; in short, the Sub-Committee recommended that the practitioner should be severely censured. In another case an insured person complained that the panel practitioner told him that he should take an aperient for constipation, but declined to write him a prescription for one; the Sub-Committee was of opinion that the doctor should have done so. There was only one complaint against a panel chemist, who, because an insured person brought an 8-oz. bottle, supplied him with 8 oz. of a mixture instead of 12 oz. The Sub-Committee considered that it was of the greatest importance that no alterations of such a nature should be made by a chemist without informing the insured person, and also obtaining the concurrence of the practitioner concerned. All the reports were adopted.

Portsmouth.—Mr. T. O. Barlow presided at a good meeting of local pharmacists on November 24, when Insurance matters were the principal business. The Pharmaceutical Committee is proceeding with the surcharge cases under Article 40; details of the extravagant prescribing have been compiled in the case of five doctors, and subsequent developments will probably form a basis for settlement in regard to the remaining thirty. Tribute was paid to Mr. Sharman, the checker, for his zealous compilation work. At the outset of a discussion on the new Tariff, Mr. T. Brewis asked if anything was to be gained by talking about it. The President thought not, but Mr. Atterbury brought some comfort by giving the prices for the Portsmouth Pharmacopœia, old and new style, showing that for these things, at least, there would not be much difference. After other business had been transacted, the President gave a kindly greeting to a new member (Mr. Greenhalgh), while another happy circumstance was the presence of Mr. T. H. Cruse, the first President of the Association, and as keenly interested in its affairs as ever.

Surrey.—The County Insurance Committee met at Caxton Hall, Westminster, S.W., on November 24. It was reported regarding chemists' agreements that, after consultation with the Pharmaceutical Committee, the Medical Benefit Sub-Committee recommended that instead of the "aqua" reference in the new Tariff the following should appear:

Aqua.—Whenever the term "Aqua" appears in a prescription distilled water should be used and charged for.

With the approval of the Pharmaceutical Committee 100*l.*, being one-third share of the estimated cost of checking prescriptions this year, was transferred from the Pharmaceutical Committee's expenses account to the Joint Committee. The advances for chemists' October accounts amounted to 606*l.* 12*s.* 11*d.*

Swansea.—Panel chemists' accounts for 1914 are to be paid in full *plus* 22*l.* 8*s.* 3*d.* for war drugs.

West Riding.—A largely attended meeting of the West Riding County Pharmacists' Association and of the Leeds Chemists' Association, convened by the former organisation, was addressed, on November 24 at the Grand Central Hotel, Leeds, by Mr. Edmund White, President of the Pharmaceutical Society. Mr. F. Pilkington Sargeant presided. Mr. White in his speech compared, at considerable length, the relative advantages and disadvantages of the new Tariff and, referring to criticisms which had been made of the Society, asked chemists to compare their position three years ago with that to-day. Up to three years ago there had been no sign of recognition of the fact that the chemist is the proper man to dispense medicines. The public had been used to getting their medicines from the doctors, and it is only by educating the public that the chemists can press this important change which had come into being with the Insurance Act. Chemists should remember the great difficulties which have been experienced in establish-

ing their position before the Government, and the still greater difficulty of securing any approach to adequate remuneration, for the simple reason that the doctors are always round the corner ready to do the work at a price to suit the Government better. The Commissioners themselves have had enormous difficulty through sticking to the principle of dispensing by the chemist. The position is not a retreat, but perhaps a slight recession. He was convinced that the Society has taken the wisest course in accepting the new terms under present circumstances. The chief objection is the smallness of the remuneration. That would have to be fought, but they must have proper public backing. Mr. White concluded by a reference to the enlistment of pharmacists and their assistants, and reviewed the negotiations which resulted in panel chemists being placed upon the list of indispensable men. This included, he believed, unqualified assistants engaged in dispensing. A discussion followed, in the course of which Mr. M. E. Murray (Leeds) contended that Insurance business is a loss to the man who had to handle a lot of prescriptions. He thought that for over a certain number of prescriptions per week—say, a hundred—there should be an extra allowance *pro rata* for the cost of extra assistance which had to be paid for. He suggested, as an illustration, an extra penny per fifty prescriptions. Mr. Mortimer (Harrogate) said he could not see why, if the English chemists are to accept the Tariff, the Scottish chemists should not also do so. He agreed that the present is no time for refusing service, but thought the individual chemists ought to show they are alive to the disadvantages of the Tariff by sending in protests against the low remuneration to their Insurance Committees. Mr. J. Judge (Wakefield) said he had come to the meeting antagonistic to acceptance of the Tariff, but Mr. White had caused him to appreciate the reasons of the Pharmaceutical Society in recommending its acceptance. Mr. A. J. H. Beacock (Leeds) moved, and Mr. Judge seconded, the acceptance of service under the new conditions. Mr. A. R. Briggs and Mr. S. N. Pickard (Ossett) supported the resolution, which was carried unanimously.

Wolverhampton.—Mr. F. J. Gibson presided at a meeting of panel chemists on November 15, which decided to continue the dispensing agreements in the new Tariff.

A Protest Scheme.

Every Panel Chemist Asked to Write a Postcard.

Mr. Sydney F. Body, President of the Southend-on-Sea Pharmacists' Association, reported at a meeting on November 18 upon the Local Associations Conference. A discussion followed which resulted in a scheme being formulated for the purpose of obtaining the opinion of panel chemists throughout England and Wales on eight questions with a view to securing better terms for Insurance dispensing.

Mr. Body, having referred to his letters on the new Tariff (*C. & D.*, October 30 and November 13), expressed acute disappointment with the proceedings and results of the Conference. Much valuable time was taken up, he said, by discussion upon very subordinate questions which obscured the more important issues. He deplored the complacency of spirit with which delegates bandied words over what would represent an almost calamitous interference with the financial interest of panel chemists, and said the whole procedure plainly evidenced how only partially conscious the delegates were of the gravity of the business before them. No spirit of energetic and determined resistance found favour. Evidently delegates had come with no determined mandate from their Association, but chiefly to voice certain resolutions or to learn what other delegates had to say about the recommendations. Proceeding to speak about the new Tariff, Mr. Body said in his opinion the principles he had set out and the plan he had outlined were better calculated to lead to more favourable negotiations with the Commissioners than the subversive and perilous policy of pursuing a devious and hopeless path in attempting to demonstrate and prove a more advantageous establishment charge than 0.8*d.* per prescription decided upon by the Commissioners. Chemists were concerned necessarily with the gross and unjustifiable inadequacy of the remunerative principle of it; the whole recommendation in point of remuneration bristles with arbitrary figures. He had shown this in his letter in the *C. & D.*, November 13, p. 58, emphasising the fact that yearly 125,000*l.* would be saved at the expense of English chemists' pockets, and submitted that no pharmacist with any sincere or earnest desire for the betterment of his craft could resist a revulsion of feeling against such oppressive proposals. He deplored that at the eleventh hour they found themselves a hesitating and disunited body, otherwise they would have met this recommendation with a federative spirit of resistance. Chemists have to decide their fate before December 3. Fifteen days to organise resistance looked impossible, yet he submitted a scheme as a last resource—viz., to ask the chemists of England and Wales to answer certain questions. Mr. Body then referred to a conversation which he had had with two members of the L.A.C. Executive, who admitted the impracticability of proving a new establishment charge, but nevertheless could see nothing else for it than to accept the terms offered to chemists. This attitude Mr. Body criticised strongly, and, continuing, said in coming to any decision as to their own line of action it was imperative that they should take into consideration what course the company chemists would adopt. He had written to Messrs. Boots, Ltd., and they replied as follows:

Re New Tariff.

"We are very much in sympathy with your energetic expression of opinion respecting the above, but we have to deal with the situation in a practical manner. What do you propose to do—come off the panel? We do not. If the chemists once resign the business they will never get it back. It will pass into the hands of either Government dispensaries or doctors, or both. Your meetings are all too late. They should have been held before the big united meeting in London, when the chemists pledged themselves to the Pharmaceutical Society to give the new Tariff six months' trial. Our representative was present and did not dissent, and we should betray the chemists if we did dissent now. We thank you for your trouble in writing us at length and giving us an opportunity of expressing our opinion."

He had great faith that Messrs. Boots would follow the majority even under a change of policy, and repudiated the suggestion that this firm would run counter to chemists' interests, especially if they were properly and reasonably represented. In conclusion, he urged chemists to weigh well the matter of their decision and commended the subject for their active discussion, sincerely hoping it would lead up to some form of unanimity which might have an extensive influence upon other Insurance areas and prove of assistance to them in falling into line. Mr. Body then submitted to the meeting the questions which he proposed to put to the chemists of the country, and they were voted upon. These we print below with the answers given by vote. Messrs. Cowe, Hamilton, Misselbrook, Carpenter, Ling, and Heywood also spoke.

Questions.	Answer.
1. Are you a panel chemist?	—
2. Do you consider that in fully paid areas chemists have been overpaid for services rendered under the current Tariff?	No.
3. Do you admit that the standard of remuneration proposed by the Commissioners in the 1916 Tariff, involving a yearly saving of about 125,000*l.* on chemists' accounts in England alone, is necessary and justifiable?	No.
4. Do you object to a decision upon the point being precipitated by either the Pharmaceutical Society or Commissioners while the country is in unsettled financial circumstances?	No.
5. Do you approve of Federative principles being applied to Pharmaceutical Committees or Local Associations in order to secure uniform and representative conditions?	Yes.
6. Would you identify yourself with and loyally support such a Federation by refusing to accept service unless its policy of a demand for an unreduced remuneration is not satisfied by the Commissioners?	Yes.
7. Would you prefer, in view of the state of war, to continue service under the current Tariff and accept the possibility of being discounted rather than accept the new proposals as recommended by the Conference of Local Associations and their Executive?	Yes.
8. Would you prefer to follow the lead of the Conference of the Local Associations and accept service under the new Tariff in order that their Executive Committee may endeavour to secure an amendment of the establishment charge under onus of proof within six months?	No.

The meeting resolved to recommend chemists to refuse service under the new Tariff for 1916, and objected strongly to the proposed standard of remuneration. It was also decided that a Committee, consisting of four members, should canvass all chemists in the Southend area with a view to securing uniformity of action as far as possible in adopting the recommendations of the resolution instead of allowing same to remain a mere expression of opinion. Messrs. Cowe, Body, Carpenter, and Baker were appointed to carry out this work and to report the result to the next meeting. The Committee met at the premises of Mr. E. A. Holloway (Vice-President), 136 Broadway, on Monday evening, when the plan of campaign was considered and developed. All panel chemists in this area are with the Association in the matter.

The following "Objection" and "Policy" (in conjunction with postcard replies to the questions) indicate what the

Committee consider to be the means by which a practical decision can be arrived at by panel chemists:

Objection.—Inadequacy of total remuneration and absence of confidence in the power of any Executive Committee to remove this objection by operating upon the lines adopted by the Conference of Local Associations—viz., the disavowal of the establishment charge of 0.8*d.* and the attempt to substitute therefor another under onus of proof.

Policy.—That the above Executive Committee should resign from their office in relation to the establishment charge and reform themselves into a Committee with a definite mandate from chemists throughout England and Wales—viz., that the total remuneration under the new Tariff is inadequate, and must be raised at least 20 per cent. before chemists would accept service under the new Tariff.

It is also requested that panel chemists should send a postcard addressed to *Mr. Woolcock, 16 Bloomsbury Square, London, W.C.*, in answer to the above questions, putting the answers thus: "No. 1, Yes" or "No," and so on to the eighth question, adding their name and address. The results of this demonstration of opinion will be submitted on December 1 to the Secretary of each local Association or Pharmaceutical Committee, in order that definite refusal or consent to serve under the new Tariff may be directed in accordance with the preponderating opinion. Each Association Secretary has received a letter from Mr. Body this week.

SCOTLAND.

"Nemo me impune lacessit."

The following is the text of an advertisement published on the first page of the "Glasgow Herald," November 17, as well as in "The Scotsman":

NATIONAL HEALTH INSURANCE ACTS.

PHARMACEUTICAL SERVICE FOR 1916.

Mr. Charles Roberts, M.P., acting for the Government, has rejected the reasonable offer of Scottish Panel Chemists, prompted by patriotic motives and unanimously accepted by the Scottish Association of Insurance Committees, to maintain at a sacrifice the existing National Insurance Pharmaceutical service unimpaired during 1916. Mr. Roberts has intimated that lower terms than the present minimum rates will be enforced on July 1st next. Scottish Panel Chemists have, therefore, been reluctantly compelled to announce to the Commissioners their inability to renew the agreements after December 31st.

THE PHARMACEUTICAL STANDING COMMITTEE (SCOTLAND) CONSEQUENTLY REQUESTS ALL SCOTTISH PANEL CHEMISTS TO REFRAIN FROM MAKING ANY REPLY to any Notice from their Insurance Committee till they receive further instructions, which will be issued immediately to all Pharmaceutical Committees.

J. RUTHERFORD HILL (Secretary).

"The Scotsman" on the day following explained the position, and printed the substance of a letter from Mr. Roberts to Sir James Leishman, Chairman of the Scottish Commissioners, as follows:

"I gather that there is still an impression in the minds of certain of the chemists that they have been asked to give some fresh undertaking as to the conditions on which they will continue service for the year 1916. This is not the case. I did not ask the chemists, for example, to give any pledge or assurance as to their attitude towards any change that might be formulated in the Drug Tariff in the course of the year. I have offered them a certain period within which to make out their case against the new Tariff, coupled with a guarantee that during that time no change will be made, and if they refrain from making full use of the time allowed they will, as you have already pointed out to them, gravely prejudice their case, and will only have themselves to blame for any disadvantage they may suffer in the ultimate settlement. All this, however, does not affect the arrangements now due to be made for the ensuing year. As to these, subject to certain adjustments in respect of war prices, which are all in the chemists' interest, you are in a position to offer them a continuance of the present conditions. This, as I understand the resolutions of the Standing Committee, is all that they ask for. I cannot believe that their proposal is that the agreements should be varied in such a way as to preclude the Government from formulating changes during the year, which are at present possible under the regulations, while the chemists are left with the right they at present possess of reviewing their bargain at the end of each quarter. Under the arrangements in force for the current year the Commission have the right to initiate changes at any time after due notice, while the chemists, as I have said, have an option exercisable at the end of any quarter. The Standing Committee at your recent Conference stated, in categorical terms, that they could not surrender this option, and I for my part am certainly not in a position to surrender the existing option reserved to the Commission by undertaking that there will be no change in the existing Tariff after June 30. In the meantime, there is no reason, so far as I am aware, why the formal arrangements between Insurance Committees and chemists for next year's service should not be completed."

On the same day the London correspondent of the "Herald" telegraphed:

"I am officially informed that it is contrary to fact to state, as the advertisement does, that Mr. Charles Roberts, the Minister responsible for the Insurance Act in Parliament, has intimated that 'lower terms than the present minimum rates will be enforced on July 1 next.' Mr. Roberts has never made that statement."

The correspondent also explained the "discounting system," and how the new Tariff is introduced in order to enable chemists' accounts to be paid in full and promptly. Mr. Hill communicated a reply of about a column to the "Herald," and in the course of it said: "It may be technically correct that Mr. Roberts has not explicitly intimated that 'lower terms than the present minimum rates will be enforced on July 1 next.' He has certainly intimated that a new Drug Tariff will be introduced on July 1, and the whole purport of the Departmental Committee's Report, and the whole negotiations with the British Medical Association based thereon, and the whole policy involved in its introduction, assumes and necessitates a lower Drug Tariff . . . The dispute of Scottish chemists has no special relationship to the rate for establishment charges. It is based on a refusal to entertain lower terms."

In the circular, dated November 18, regarding the evening meeting of the N.B. Branch of the Pharmaceutical Society in Edinburgh, on November 24, the following "Special Notice to Panel Chemists" is included:

"You will see the notice advertised in all leading Scottish newspapers on November 17. Attempts, in to-day's Press, to deny the accuracy of our statements are misleading. What we say is undoubtedly correct. We are hopeful that, by a firm and united attitude by all panel chemists at this extremely critical juncture, we will succeed in securing immunity from interference during 1916, and deliverance from the danger of having the lower Drug Tariff imposed upon Scotland. A form of written notice, to be immediately sent to the Clerk to your Insurance Committee, has been sent to the Secretary of your Pharmaceutical Committee. If you have any difficulty let me know.—J. RUTHERFORD HILL."

"The Scotsman," November 19, contained a long article on the dispensing service deadlock and a "communicated" reply to Mr. Roberts. Mr. Rutherford Hill, as Secretary of the Pharmaceutical Standing Committee, has addressed a letter to the Scottish Commissioners, enclosing (1) a memorandum explaining why panel chemists are unable to continue service if the *status quo* is not maintained for 1916. (2) A summary of the chief points in dispute, which sets forth the chemists' offer, Mr. Roberts's refusal, what the new proposals mean, why the proposals are made, and why they should not apply to Scotland. (3) Copy of a letter to the Commissioners objecting to the method proposed for stopping "repeat" prescriptions and suggesting a more direct and effectual one, also objecting to the omission of the Pharmaceutical Committee as a consultative and executive body in arrangements affecting the interests of panel chemists as dispensers. (4) Copy of a letter sent to all Scottish M.P.'s. The last-mentioned letter covers the Memorandum as to the attitude of Scottish chemists and a summary of the chief points in the dispute. It also indicates some directions in which money will be wasted if Mr. Roberts's plan is insisted on. "Seeing that Mr. Roberts has already conceded the *status quo* for six months we can conceive no good reason why he should not allow the twelve months we ask." The letter concludes: "We earnestly hope the reasonableness of our attitude will induce Mr. Roberts to consent to our request without imposing upon us further trouble and expense. We appeal for your support and influence in favour of what is really a national request."

Mr. Roberts's Appeal

A feeling of keen resentment has been created in Scotland through the sending of a letter direct to each panel chemist, emanating from Buckingham Gate, London, signed by Mr. Roberts's Private Secretary. [This was announced by Mr. Roberts in the House of Commons on Wednesday. See p. 46.—EDITOR.] This is regarded in Scotland as an unworthy attempt to get behind the representative General Council of Panel Chemists (Scotland), and ignore them as the central body acting for Scottish panel chemists through their Executive, the Pharmaceutical Standing Committee (Scotland). The terms of the letter are also in many points strongly objected to. Since the inception of National Health Insurance the Pharmaceutical Standing Committee (Scotland) has been recognised and has conducted all negotiations with the Scottish Insurance Commissioners. All panel chemists are urged to support the Standing Committee, and refuse absolutely to negotiate except through their chosen representatives.

Resigning from the Panel.

In several of the Insurance Act areas 100 per cent. of the panel chemists have already intimated to the Insurance Committees that they will not continue service after December 31 unless the Pharmaceutical Standing Committee's proposals are agreed to. We have received a number of reports of panel chemists' meetings at which this was agreed to—viz., Aberdeen (City) on November 19, Mr. J. R Reith presiding; Banff on November 19, Mr. Pirie presiding; Lanark on November 19, Mr. Hendry presiding; Perth and Perthshire on November 19, at Perth and Renfrew on the same date. In these cases the agreements were unanimous.

The Scottish Insurance Commissioners have made further amending regulations with reference to the administration of medical benefit, providing that the terms of service of doctors and chemists on the panel may be altered once in the course of 1916, as also that an Insurance Committee may, after consultation with the Panel Committee, require doctors not to give repeat prescriptions for medicines.

Dundee.—The Insurance Committee have instructed their Clerk to report to the Commissioners that they fear they will be unable to secure medicines after December, in view of the attitude taken by the local chemists.

Edinburgh.—Chemists last week received payment of 90 per cent. of their October account, *plus* the balances due for June, July, and August 1915. A notice from the Insurance Committee states that doctors must sign their prescriptions (written in ink or other indelible substance) and cease ordering "repeats."

Fife.—The County Insurance Committee has put a "sticker" on the letters to chemists as to renewal of agreements, saying that it "has already determined that no panel practitioner must give any order for any drug or appliance in such a form as will necessitate a reference by the chemist to a previous order" (*C. & D.*, October 9, p. 59). If this was intended as a bait it has failed to make panel chemists bite.

Glasgow.—Mr. J. B. McVitae presided at a meeting of the Pharmaceutical Committee on November 18, when statistics regarding the Drug Fund down to the end of August were submitted by the Secretary (Mr. Kitchin) showing a surplus of 1,234*l.*, which by the end of September had increased by 600*l.* If Glasgow can do this in the present exceptional circumstances, why not other areas?—A meeting of all panel chemists in the burgh was called for Tuesday, November 23, to consider the Standing Committee's recommendation not to continue dispensing service on Mr. Roberts's terms. Here also they are as one.

Lanarkshire.—Mr. A. W. Hendry (Blantyre) presided at a meeting of the Pharmaceutical Committee in Motherwell on November 18, when it was unanimously agreed to support the action of the Pharmaceutical Standing Committee. An "urgent and very important" circular was issued on November 18 by Mr. J. A. Walls, Secretary of the County Pharmaceutical Committee, in which it is said: "If Scottish panel chemists will stand loyally together and keep a firm and united front, we have good reason to hope such pressure will be brought to bear upon the Government as will secure for us liberty to go on and deliverance from the threatened danger. . . . Until you receive notice you are not to sign any form you may get from the Clerk to the Insurance Committee." [A similar letter was issued by Secretaries in most other areas.—Editor.]

Leith.—It was reported to the Insurance Committee on November 19 that the highest number of insured persons on any one doctor's list was 2,565, and the lowest one. One doctor on the panel has never had any patients on his list. The largest sum paid to any one chemist in 1914 was 227*l.* 17*s.* 10*d.*, and the lowest 10*d.* The total number of prescriptions was 46,852, and the average price per prescription was 9½*d.*

WALES.

Breconshire.—At a meeting of the County Pharmaceutical Association at Brecon on November 17 it was agreed not to accept the 1916 Tariff, and the members resolved that the meeting would accept service under the Tariff based on the net cost price of drugs, provided the following alterations were made: (1) The fee for all mixtures, liniments, lotions, gargles, mouth-washes, drops, and other classes of liquid medicaments to be increased to 4*d.* (establishment charges included); (2) a profit of 33⅓ per cent. on cost to be allowed on appliances, this to include establishment charge; (3) the pricing of prescriptions to be the duty of the Insurance Committee. As an alternative the members would continue on the panel under the present scheme during the war, provided all prices are periodically revised in accordance with the current prices of drugs, and the discounting clause be abolished. Should these proposals not be accepted, twelve pharmacists on the Breconshire panel pledged themselves to discontinue service on January 1, 1916. The twelve are Messrs. Stanton (President), Morris, Tudor, and Gwillim (Brecon), Jones and Price (Brynmawr), Parry (Talgarth), Ward (Builth), Davies (Hay), H. Kirkland (Crickhowell), W. Reynolds (Hirwain), and J. Williams (Llanwrtyd Wells).

Notes.

"Repeats."—We observe that the London Panel Committee, which seems to exist chiefly to kick at anything that will remove difficulty out of the panel chemist's path, is discontented about the proposal to stop doctors writing "repeat" prescriptions, and spoke about it in an interview with the Commissioners on November 11.

The Agreement Form issued in England and Wales to persons and firms supplying drugs or appliances contains on the back a statement showing the alterations proposed in the terms of service as from January 1, 1916, this embodying substantially Articles 4 to 8 of the Draft Amendment of the Medical Regulations (see *C. & D.*, November 6, p. 53), as well as a paragraph about the revocation of Article 40 and the new clause as to drugs and appliances being of a grade or quality corresponding as nearly as possible to the price in the Tariff. The similar form issued to persons, firms, or bodies corporate in Scotland this week does not contain these provisions, but continues the application of Articles 16, 17, 18, and 19 of the 1913 Medical Benefit Regulations, and a statement regarding the new arrangements to prevent "repeat" prescriptions.

Medical Gleanings.

Typhoid Vaccine.

Professor A. Castellani and Dr. Ralph W. Mendelson, in the "British Medical Journal" (1915, II., 711), give a record of the use of tetravaccine in Serbia. This is a vaccine composed of typhoid, paratyphoid A., paratyphoid B., and cholera cultures and protects against the four diseases. It is recommended by the authors for routine use in armies exposed to infection. The tetravaccine is made on a large scale by Mulford & Co., Philadelphia.

Phenolphthalein as a Laxative.

Dr. J. C. McWalter, writing to "The Lancet" (1915, ii., 1141), gives his experience of the administration of phenolphthalein, of which he states he has prescribed more than 1,000 doses. It is an ideal laxative, he adds, especially for pregnant women, but it should not be given in tablet form unless mixed with chocolate. Dr. McWalter thinks that phenolphthalein will be found eminently satisfactory in doses of half-a-grain thrice daily in preventing enterospasm.

Acneform Iodide Eruption.

Captain R. C. T. Evans, writing to "The Lancet" (1915, ii., 1162), describes a case where a considerable number of comedones on the face of the patient increase and become worse under potassium iodide treatment, which had to be stopped, but he tried "iodex" locally for four weeks and thereafter 15-grain doses of potassium iodide three times a day, when the eruption did not reappear. He considered that without some such substance as iodex the essential use of iodide was impossible in this case.

The Viscosity of Liquid Paraffin.

The importance of the viscosity of liquid paraffin is engaging the attention of medical men. "The Lancet" has shown that the viscosity is more important than the specific gravity, for whereas the specific gravity may be the same for different samples the viscosities vary considerably. The higher the viscosity the more suitable is the oil for medical use as an internal lubricant. The viscosity at 100° F. (Redwood) varied in a series recently examined from 440 to 67 seconds. Medical men are awakening to the importance of high viscosity in liquid paraffin, and pharmacists may receive inquiries on this matter.

There is no Fat-famine in Germany, says an official report, which is nonsense. For nearly a year sewers have been skimmed, and now horses are being boiled to get fat for the purpose of making glycerin.

Cocaine and other narcotics are being used increasingly in Russia as substitutes for vodka. So a Danish paper says; but lots of things are being said as general happenings which are quite isolated and uncommon.

Etymology of "Chincough."—Correspondents of "Nature" have been writing on this subject, and one suggested that "kinken" means "to cough." He is corrected by a Dutchman, who mentions that "hoest" is the Dutch word for cough, and "kinkhoest" is whooping-cough. We may add that "kinkhost" is the Scotch term for whooping-cough.

Trade Report.

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling and the like. Qualities of chemicals, drugs, oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities. Retail buyers cannot, therefore, for these and other reasons, expect to purchase at the prices quoted here.

42 Cannon Street, E.C., November 25, 6.30 p.m.

THE chemical and drug markets have been fairly active during the week, and values of most items, particularly fine chemicals, are well maintained. Salicylates continue in good demand and higher prices have been paid. Phenazone and phenacetin have further advanced, but business is necessarily limited to a few pounds at a time, and there is no buying beyond actual current wants. Hydropinone, pyrogallic acid, and acetylsalicylic acid are tending higher; tartaric acid continues firm and citric is easier. Quinine is weak, with sales for second-hand at lower prices. Japanese refined camphor has been in heavy demand at advancing prices. Vanillin is dearer in second-hands on improved demand; menthol is quiet and unchanged, opium and the opium alkaloids (morphine, codeine, etc.) remain firm. Mecurials, iodides, caffeine, and bismuth salts are all very scarce and buyers are still unable to give prompt delivery. A large supply of vanilla at auction met with a good general demand at rather dearer rates considering the quality. Among essential oils, new crop lemon is offered at easier rates. Star-anise and cassia oils to arrive are firmer owing to the rise in silver. Clove is also firmer in second-hands; Japanese mint oil is dearer. Changes in fixed oils include an advance in coconut and palm; soya is firmer, and linseed oil is cheaper; castor is very firm and scarce for prompt delivery. The principal changes are as under:

Higher	Firmer	Easier	Lower
Acetyl-salicylic acid Ammonia sulphate Anise Spanish Antimony (Ch er.) Balsam peru Camphor (Jap. ref.) Coconut oil Coriander-seed Linseed Mace (W.I.) Palm oil Phenazone Potashes Potash permang. Vanillin	Anise oil (c i.f.) Cassia oil (c.i.f.) Clove oil Copper sulphate Fennel-seed Methyl salicylate Nutmegs Pyrogallic acid Saffron Salicylates Soya oil Turmeric Vanilla	Citric acid Galls, China Soda hyposulphite Turpentine	Lemon oil new crop c.i.f. Linseed oil Quinine (sec. hands)

A Drug-auction will be held on Thursday, December 2.

Cablegram.

NEW YORK, November 25.—Business is quiet. Senega has advanced to 41c. per lb.; Curaçao aloes is higher at 13c.; and balsam Peru is dearer at $4.75. Arnica-flowers are firmer at 30c., and copaiba balsam is higher at 40c. Short buchu-leaves are quoted at $1.25, and long are 15c. dearer. Opium, peppermint oil, and menthol are unchanged.

ACETYL-SALICYLIC ACID.—Considerable irregularity prevails in quotations, but higher prices are being asked by dealers and makers. Business has been done in retail lots from dealers at 45*s.* to 45*s.* 6*d.*, but it is doubtful if it can be repeated, the range of prices being from 46*s.* 6*d.* to 48*s.*, and even more. There is a difficulty in getting delivery of salicylic acid, and in one instance 46*s.* has been refused by a maker for a ton contract.

ALBUMEN.—At a naval prize auction on November 18 17 cases *hen* albumen sold at 3*s.* 2*d.* per lb.; also 447 casks Chinese liquid *egg yolk* at 20*s.* to 35*s.* and inferior 5*s.* to 11*s.* per cwt.; also 92 cases ditto at 13*s.* per cwt. The spot value of China egg albumen is 3*s.* 1*d.* to 3*s.* 2*d.*

AMMONIA SULPHATE.—London is 5*s.* dearer at 15*l.* 5*s.* per ton net, naked at works, for 25-per-cent. ammonia for prompt delivery; Hull prompt, 24-per-cent., 15*l.* 17*s.* 6*d.* Liverpool is 2*s.* 6*d.* higher at 16*l.*, and Leith is unchanged at 16*l.* per ton in bags f.o.b., less 3½ per cent.

ANISE OIL, STAR, is firmer, with sales of "Red Ship" brand for November-December shipment at 3*s.* per lb. c.i.f. terms, with 3*s.* 1½*d.* asked; spot value is 3*s.* 4*d.*

ANISEED.—Spanish is dearer at 46*s.* per cwt.; this rise has been caused by the higher price asked for shipment.

ANTIMONY.—Chinese crude on spot has advanced to 85*l.* per ton.

ARROWROOT.—At auction 76 bags fair Natal offered and 20 sold at 4*d.* per lb.

BALSAM PERU.—Scarce and dearer at 19*s.* 6*d.* per lb. net on spot.

BALSAM TOLU.—Fair hard genuine is quoted at 1*s.* 9*d.* spot.

CANARY-SEED.—Holders are very firm and prices are gradually approaching their ideas. Ordinary to fair quality has been sold at 82*s.* to 85*s.* per quarter.

CAMPHOR (REFINED).—A large export business, both on spot and c.i.f. terms, has been done, especially in Japanese 2½-lb. slabs at advancing prices—viz., from 1*s.* 5¾*d.* up to 1*s.* 8*d.* per lb. on the spot and 1*s.* 6*d.* for February-March shipment; also January-February at 1*s.* 6*d.* to 1*s.* 6¾*d.*, and November-December at 1*s.* 6½*d.* and buyers. ¼-oz. tablets have also been sold at 1*s.* 7*d.* c.i.f., and buyers. The spot value of 1-oz. and ¼-oz. tablets is 1*s.* 9*d.*

CAPSICUMS.—At auction 150 bales East Indian were bought in at 45*s.* for common stalky red mixed; 11 bales dark red picked Natal sold at 93*s.*; and four casks Nyasaland went at 73*s.* for yellow mixed picked.

CARAWAY-SEED is steady at 60*s.* per cwt. for fair Dutch.

CASSIA LIGNEA.—At auction 100 boxes Saigon quill were bought in at 60*s.* and 100 bags broken at 50*s.* Thirty-two bags thick China cassia bark sold at 2⅜*d.* to 2¾*d.*

CASSIA OIL.—To arrive, prices are firmer at 3*s.* 3*d.* per lb. c.i.f. for 80 to 85 per cent. c.a. content for December-January shipment. Spot value of this grade is 3*s.* 6*d.*

CASTOR OIL remains very firm and scarce for prompt delivery; the value of first-pressing of Hull make for March delivery is 49*l.*, April 48*l.*, and May-June 47*l.* per ton in barrels f.o.b. Hull, usual terms. Further sales of medicinal oil for December delivery have been made at 64*l.* 10*s.* per ton. In Liverpool good seconds Calcutta is still quoted 6*d.* per lb. spot.

CINCHONA.—The auction of pharmaceutical bark to be held at Amsterdam on Friday, December 10, will consist of 775 bales and 648 cases, weighing 94,897 kilos. The first-hand stock at Amsterdam on November 18 consisted of 10,635 packages Government and 41,077 packages private bark, including the first-hand lots to be offered on December 9 and 10.

CITRIC ACID is a very dull market and, in absence of business, the price has declined to 2*s.* 10*d.*

CLOVE OIL.—In some quarters dealers are obtaining rather higher prices than those mentioned last week, the quotation for small lots being from 5*s.* 4*d.* to 5*s.* 6*d.*

CLOVES.—At auction 20 cases picked Penang were bought in at 1*s.* 1*d.* and 55 bales dark Zanzibar at 2*d.* Privately Zanzibar are firm, with spot sellers of fair at 8½*d.*; to arrive the sales include November-January at 6 1/16*d.* *c.i.f.* and buyers.

COCA-LEAVES.—No coca-leaves will be offered at the Amsterdam auction on December 10.

COCOA-BUTTER.—From Paris "prima" cocoa-butter is quoted 2*s.* 3*d.* c.i.f. London, and cocoa powder guaranteed pure (about 23-per-cent. fat) at 1*s.* per lb.

COD-LIVER OIL.—Somewhat more demand is reported from Norway, and for 1915 non-freezing steam-refined oil from 325*s.* to 336*s.* per barrel f.o.r. Hull, war-insurance extra, is quoted without engagement.

COPPER SULPHATE.—The principal makers are sold out for several months ahead, and 45*l.* per ton is now asked for second-hand lots of the usual Liverpool brands.

Coriander-seed is dearer, with sales of common and wormy Morocco at 16*s.* 6*d.* and of fair sound at 18*s.* per cwt., but 17*s.* and 19*s.* respectively are now asked.

Cumin-seed remains quiet and unchanged in price at 90*s.* per cwt. for fair Morocco.

Epsom Salt.—Prices vary from 16*s.* 6*d.* to 17*s.* per cwt.

Ergot.—Values of Russian are from 2*s.* to 2*s.* 2*d.* per lb. on the spot, as to quality.

Fennel-seed is rather dearer at 27*s.* 6*d.* per cwt. for good quality.

Fenugreek-seed is steady at 11*s.* 9*d.* to 12*s.* per cwt. for Morocco on the spot, and at 11*s.* 3*d.* to 11*s.* 6*d.* c.i.f. terms for shipment.

Formaldehyde is quoted at from 58*s.* to 60*s.* per cwt. for 40-per-cent. in casks, according to quantity.

Galls.—A few lots of Persian blue have arrived (about 200 bags) on a very bare market, the value being 110*s.*, and for green 100*s.* has been paid. Chinese are on the easier side at 55*s.* on the spot.

Gentian.—The spot value, owing to scarcity and high freights, is about 42*s.* 6*d.* per cwt.

Ginger.—At auction 236 packages Jamaica offered and 139 barrels sold, comprising fair to good bold washed, partly wormy, at 69*s.* to 75*s.*; 452 packages Cochin and Calicut offered and 34 sold, including washed rough mouldy Cochin at 28*s.* 6*d.*; sound was retired at 35*s.*, and brown rough Calicut at 30*s.* to 31*s.*

Honey.—Californian is offering at 36*s.*, and white set Hawaiian has been sold at 36*s.*, with 37*s.* 6*d.* asked. Jamaica is quoted 32*s.* to 34*s.*, and casks at 31*s.* per cwt.

Hydroquinone.—Small lots have been sold at 26*s.* per lb. for prompt delivery, but the closing value is about 30*s.*

Ipecacuanha.—The *Albanian* has brought 35 bags from Colon to Liverpool.

Kola.—A fair demand is reported, with 6½*d.* quoted for good quality. At auction six bags West Indian sold at from 4½*d.* to 5*d.*

Lemon Oil.—New-crop is offering at from 3*s.* 4*d.* per lb. c.i.f. and upwards, being cheaper; on the spot from 3*s.* 9*d.* to 4*s.* is quoted

Linseed is dearer at 70*s.* to 72*s.* 6*d.* per quarter for good bold quality

Mace.—At auction 84 packages West Indian offered and 64 sold, including good pale at 2*s.* 4*d.*; fair palish, 1*s.* 10*d.*; pale and reddish, 1*s.* 7*d.* to 1*s.* 8*d.*; ordinary to fair red, 1*s.* 5*d.* to 1*s.* 7*d.*; ordinary to good broken, 6½*d.* to 1*s.* 3*d.* per lb.

Menthol.—Quiet. The spot price is now 11*s.* 3*d.* per lb., and the same figure is asked for Suzuki for January-February shipment.

Methyl Salicylate is firmer at from 15*s.* per lb. upwards.

Methyl Sulphonal is quoted at 40*s.* per lb.

Mint Oil.—Japanese dementholised is now quoted at 3*s.* 9*d.* per lb. on the spot, at which sales have been made, and for February-March shipment 3*s.* 3*d.* c.i.f. is asked.

Mustard-seed.—English is very scarce and dear, the quotation being 50*s.* to 52*s.* per cwt.

Oils (Fixed).—*Linseed* is lower at 32*s.* 9*d.* in pipes and 33*s.* 6*d.* per cwt. in barrels on spot. *Cottonseed* is quiet at 34*s.* 3*d.* for crude in pipes on spot, refined in pipes being quoted 36*s.*, and sweet refined in barrels at from 40*s.* to 42*s.* *Coconut* is dearer at 49*s.* for Ceylon in pipes and 51*s.* in hogsheads; Cochin is also dearer at 51*s.* to 53*s.* on spot; London pressed is 3*s.* 3*d.* higher at 43*s.* *Rape* is unchanged at 39*s.* for ordinary brown crude, naked, and at 42*s.* 6*d.* for British refined in barrels; Japan in cases is dearer at 38*s.* c.i.f. for November-December shipment. *Soya* is firmer at 30*s.* 3*d.* c.i.f. on passage for Manchurian in cases; Hull (spot) extracted is 30*s.* Lagos *Palm* on spot is 2*s.* higher at 38*s.*, and in Liverpool the higher price of from 36*s.* 9*d.* to 37*s.* is quoted.

Opium.—Prices remain unchanged, the spot value of 11-per-cent. druggists' quality being 35*s.* per lb. Persian is also unchanged.

Pepper.—At auction 137 bags Ceylon sold at from 5⅞*d.* to 5⅛*d.* for fair to good heavy, and small 3⅝*d.* to 4½*d.* Privately sellers of fair black Singapore ask 6½*d.*; Tellicherry, 6⅝*d.*; and Lampong, 6*d.*; also fair white Singapore, 9¼*d.*; Muntok, 10¼*d.*; and Penang, 8¼*d.*

Peppermint Oil.—Quiet at 9*s.* to 9*s.* 3*d.* per lb. for American tin oil on the spot, and at 9*s.* to come forward; HGH is 14*s.* 3*d.* to 14*s.* 6*d.* London terms.

Phenacetin is very scarce, it only being possible to buy extremely limited quantities at from 55*s.* to 60*s.* per lb.

Phenazone continues to advance, and probably 70*s.* to 75*s.* would have to be paid.

Phenolphthalein.—The value in very small lots is about 40*s.* per lb. An American maker, however, hopes to be able to offer early in the New Year at a considerable reduction.

Pimento.—At auction 14 bags fair sold at 2½*d.* per lb.; 75 bags siftings sold without reserve at 1¾*d.*

Potashes.—First Montreal are quoted at about 140*s.* and first American at about 120*s.* to 125*s.*, being extremely scarce.

Pyrogallic Acid is firmer, with sales of resublimed at 11*s.* 6*d.* per lb.

Quicksilver is firm at from 16*l.* 12*s.* 6*d.* to 16*l.* 15*s.* per bottle.

Quinine.—There is practically no demand at the moment, and the price of the usual Continental brands from second-hands is nominal at 4*s.* per oz.; on Wednesday, however, business was done by a weak holder at less than the foregoing.

Saffron is firm, with finest Valencia offering at 42*s.* 6*d.* per lb. net.

Salicylates.—Business has been done in several quarters in sodium salicylate at 17*s.* 3*d.* to 17*s.* 6*d.* per lb., but more is now asked.

Senna.—A fair quantity of Tinnevelly will (if landed in time) be offered at next week's auction: 205 bales have arrived from Tuticorin.

Soda Hyposulphite remains weak at 17*l.* up to 18*l.* 10*s.* per ton ex wharf, the latter for pea-crystals.

Soy.—Spot supplies are momentarily scarce, owing to the difficulty of obtaining delivery from the wharves; 1*s.* 11*d.* to 2*s.* per gal., duty paid, is still quoted for Seuloong brand.

Tannin Albuminate ex ovo is offered at from 9*s.* to 9*s.* 6*d.* per lb.; demand at the moment is quiet.

Tartaric Acid is firm and scarce at 2*s.* 6*d.* per lb.

Tonka-beans.—The British Consul for Ciudad Bolivar, in his annual report for 1914, states that, "as foreshadowed in the previous report, the crop in 1914 was quite small, only 5,204 kilos., against 508,945 kilos. in 1913. The crop for 1915 will probably turn out larger than is expected."

Turmeric has been selling at rather higher prices, including fair to good Madras finger at from 23*s.* to 25*s.* and Bengal 21*s.* Cochin finger is quoted at 18*s.* and split bulbs at 15*s.* per cwt.

Turpentine closes slightly easier on the week at 44*s.* 3*d.* per cwt. for American on the spot.

Vanilla.—At auction the large supply of 1,841 tins offered, of which 1,050 tins were Seychelles. There was a good demand, and although the bulk was of doubtful keeping quality, prices were steady. Prices for good sound beans were rather dearer, especially foxy browns and split. Of *Seychelles* 1,050 tins offered and about 700 sold, comprising fair to good firsts, 8 to 9 in., 9*s.*; 6½ to 8 in., 7*s.* 6*d.* to 9*s.*; 3½ to 6½ in., 6*s.* 9*d.* to 8*s.* 3*d.*; firsts, poor keepers, 3 to 8 in., 5*s.* 3*d.* to 7*s.* 3*d.*; 4 to 7½ in., partly mouldy, 4*s.* 3*d.* to 4*s.* 6*d.*; seconds, 6½ to 7½ in., 7*s.* 6*d.*; 3½ to 6 in., 6*s.* to 6*s.* 3*d.*; brown and split, 5*s.* to 7*s.*; common and mouldy, 2*s.* 9*d.* to 3*s.* 9*d.* Of *Madagascar*, 203 tins offered and about 150 sold, including fair to good flavoured firsts, 5½ to 8 in., 8*s.* 3*d.* to 10*s.*; 3½ to 7 in., 7*s.* 3*d.* to 9*s.* 6*d.*; 4½ to 6½ in., 7*s.* to 9*s.*; good seconds, 4½ to 7½ in., 7*s.* to 8*s.* Of 320 tins *Mauritius*, 170 sold, comprising firsts, part well crystallised, 8 to 9 in., 11*s.* to 11*s.* 6*d.*; 6 to 8 in., 8*s.* 6*d.* to 10*s.*; fair firsts, 7½ to 8½ in., 8*s.* 9*d.* to 9*s.* 9*d.*; 3½ to 7½ in., 6*s.* 6*d.* to 8*s.* 3*d.*; splits, 6*s.* 6*d.* to 7*s.* Fifty-seven tins *West Indian* sold: Foxy, 3 to 8 in., 5*s.* 6*d.* to 7*s.* 9*d.*; various, 5*s.* 6*d.* to 6*s.* Seventy-two tins *Ceylon* offered and 56 sold: Brown, 5 to 8 in., 7*s.* 6*d.* to 8*s.*; split, 6*s.* to 6*s.* 9*d.* *Bourbon*: 123 tins offered and sold: Fair firsts, 6½ to 8 in., 8*s.* 3*d.* to 10*s.* 6*d.*; 4 to 6½ in., 8*s.* to 8*s.* 9*d.* per lb.

Vanillin.—The demand has largely increased of late from chocolate-makers, and in second-hands some ask 40*s.* per lb.

Wax, Vegetable.—Japanese is quiet at 52*s.* 6*d.* per cwt. on spot, and for December-January shipment 53*s.* 6*d.* c.i.f. has been paid.

Heavy Chemicals.

Manchester, November 23.

The distinguishing features of the heavy-chemical trade during the past month have been, speaking generally, increased prices and inquiry, especially on export account. The latter remark applies to caustic soda, bleaching-powder, and kindred products, makers being hard pressed to keep demand against contracts. Alum has seen a sharp advance of about 2*l.* per ton; potash and lead-products have risen to almost prohibitive rates, and no reliable quotations are obtainable. Sulphate of copper is in a

strong position, and is 6*l.* per ton higher on the month, with small stocks in second-hands; quotations are from 42*l.* 7*s.* 6*d.* to 42*l.* 12*s.* 6*d.* per ton, delivered Manchester. There was a rather weaker feeling on 'Change to-day in the raw metal, but this will not affect the manufactured article to any appreciable extent. On the month permanganate of potash is 30*s.* per cwt. higher at 330*s.*; white powdered arsenic, on the other hand, is 3*l.* per ton lower. Chlorate of potash is 1*d.* to 1½*d.* per lb. higher at 1*s.* 5½*d.* to 1*s.* 6½*d.* per lb. Yellow prussiate is scarce and about 2*d.* to 3*d.* per lb. higher. Cream of tartar is unchanged at 185*s.* per cwt. for 98-per-cent. All kinds of coal-tar products are more or less under Government control, and the surplus, which is small, has to be highly paid for by merchants. Sulphate of ammonia continues to advance, and is 10*s.* to 15*s.* per ton higher on the month.

Continental Drug and Chemical Markets.

The following notes chiefly refer to the Hamburg and Berlin markets up to November 10:

Albumen has been in very active demand of late, and large quantities have been sold at up to m.12.50 per kilo. It is expected that the prices will advance further.

Balsams.—Tolu remains neglected; it is nominal at m.6.50 per kilo.

Casein is in active demand; several parcels have been sold at from m.270 to m.320 per 100 kilos., according to quality.

Cassia has further advanced in consequence of active demand and rapidly decreasing stocks. Selected in half-kilo. bundles is quoted at from m.265 to m.270; extra selected loose at from m.270 to m.280. Chips for grinding are not obtainable.

Elemi.—The demand has increased, but prices are unchanged at m.120 for first white.

Gamboge has been sold at m.630 for good Siam pipe, from m.590 to m.600 for middling, and at m.560 for ordinary.

Gum Arabic has been active at very high prices; natural Kordofan has been sold at from m.220 to m.225; the better sorts are comparatively cheap at from m.220 to m.260 per 100 kilos.

Hydrastis is quoted at from m.75 to m.80 per kilo. net in Hamburg.

Oils (Essential).—*Star-anise* is m.14; *Cassia* is m.9 to m.10, according to c.a. content. *Clove* is obtainable at m.18. *Eucalyptus globulus* is still quoted at m.5.25. Ceylon *Lemongrass* is to be had at m.6.50. *Lime* is cheap and is still quoted at m.18. *Menthol* has been sold in large quantities; it is still to be had at m.31, but prices are expected to advance. Japanese *Mint* is offered at m.13 to m.13.25; American is unchanged. *Paraguayan Petitgrain oil* is offered at m.29.

Peppers.—Black and white are firmer and in active demand, large quantities having been sold, and stocks are only small. For washed white Muntok from m.380 to m.385 per 100 kilos. is asked; for white Singapore from m.370 to m.375; for black Tellicherry from m.280 to m.285; and black Lampong from m.275 to m.280.

Mastich.—The demand has increased, and the remaining stocks are held for m.9 per kilo.

Senega has been in better demand at from m.675 to m.700.

Shellac is firmer, and all the cheaper sorts have been cleared off the Hamburg market. At present the prices are m.270 for TN, from m.300 to m.310 for Orange, and from m.330 to m.350 for "lemony." Sticklac remains in active demand, and is quoted at m.225 per 100 kilos. now.

Spirit.—The "Spirituszentrale" has reduced the price of denatured spirit by m.0.15 per litre; the price at which spirit must now be sold is m.0.42 per litre of 90-per-cent. (volume), and m.0.45 for 95-per-cent.

Tartaric Acid is firmer at m.6.75 per kilo. for crystals and m.7.25 for powdered.

Thymol is still to be had at m.75 per kilo.

Tragacanth is very dear; ordinary natural is to be had at m.3 per kilo, better sorts at from m.5.50 to m.7, and fair pale at from m.8 to m.10.

Waxes.—*Bees'* is very firm; only small quantities are offered, but the demand is very light. *Carnauba* remains firm; fatty-grey is m.560 to m.565; fine yellow is still obtainable at from m.610 to m.650. Residues of Carnauba are offered at from m.320 to m.360. *Japanese* has been sold at from m.260 to m.272; November delivery is offered at from m.255 to m.258. *Montan* has again advanced and has been sold in large quantities at from m.240 to m.260.

Olive Oil.

Advices regarding the olive-oil crop prospects in Italy and other European countries are rather conflicting and not too encouraging. The market at Florence has lately shown an upward tendency, which has been assisted by the impression that importations from Greece will be out of the question, contrary to recent expectations; it is understood that the Grecian crop will be small. Grecian oil for despatch to France is quoted fr.160 per 100 kilos. f.o.b. Merchants at Florence temporarily ceased to negotiate orders for old oil locally, and diverted their attention to new crop, but they have found business impossible, not only because of the prohibitive terms asked, but on account of the bad quality of new crop. The price required was 185 lire per quintal for eating oil. Fine quality oil is scarce, the fruit having been badly damaged by insects. Buyers in Tuscany have therefore fallen back upon the remnants of old crop, for which prices have risen to and beyond 210 lire. The yield in Tuscany depends to some extent on the weather in the near future, although it is assumed that good results will be secured in the Chieti (Abruzzi) and the Rome districts. So far as can be gathered at present, the crop in the central Italian districts should be about normal, but on the Mediterranean coast and in Southern Italy it will be small. In Florence the prices for new-crop oil, after having been initiated at 175 lire to 180 lire, are talked up to about 200 lire, the latter figure having lately been readily paid for very old fine oil. A report from Bari states that new-crop results are bad, southern winds and excessive rains having aggravated damage by worms, and therefore quality will be steadily deteriorating as the yield diminishes. Rising prices are looked for, unless importations are possible from Spain or elsewhere. Crop advices from Tunis, however, are hopeful, general rains having fallen during October, which has imparted to the trees a vigorous and healthy appearance, with numerous young shoots. The mills have started operations and the fruit is good, but higher prices are anticipated. The mills are quoting 125f. to 130f. on the spot; of old-crop extra superfine is quoted 130f. and fine 120f. per 100 kilos.

Formosan Camphor.

According to the British Consul for Formosa the exports of camphor from that island during 1914 were 8,853,597 lb., valued at 546,890*l.*, against 7,860,854 lb., valued at 495,720*l.*, in 1913. The destinations were:

	1913. Lb.	1914. Lb.
United States	3,597,273	3,477,959
Japan	598,847	2,482,740
Germany	1,048,295	1,464,306
United Kingdom	1,229,647	703,052
France	1,373,564	633,607
India	—	72,091
Austria-Hungary	13,228	19,842
Total	7,860,854	8,853,597

Much of the camphor sent to Japan is, of course, re-exported to other countries. The total production of camphor during 1914 was 6,029,338 lb., to which must be added a quantity re-manufactured from camphor oil; about 459,805 lb. of camphor remained in stock at the end of 1914. During 1914 about 3,100 acres were planted with 14,088,457 trees, and a similar area is expected to be planted in 1915. The area of camphor-forests in Formosa at present is about 1,990 square miles; of this total nearly 600 square miles are as yet unworked. The exports of camphor oil declined slightly in quantity and value during 1914, 4,774,423 lb. (168,120*l.*) leaving the island, compared with 4,842,549 lb (172,620*l.*) in 1913. The total production was 7,989,571 lb., leaving a large margin over exports for re-manufacture of camphor. At the end of the year about 720,687 lb. of camphor oil was on hand.

African Ginger.

In the course of a Colonial Office report on the trade of Sierra Leone it is stated that the crop of ginger is chiefly grown in the Ronietta district, Mano being one of the principal centres. . . . Being planted chiefly upon laterite gravel, the rhizomes are unable to grow to a large size, and the native manner of preparing the produce for market is very crude. The poor price obtainable, owing to its inferior quality, has led in recent years to a decrease in the area planted. Experiments in ginger have proved that the yield can be increased by deep hoeing, and that the native method of planting is wasteful. If the ginger be sown in lines, not only is there a greater saving of seed, but a higher yield per lb. of seed sown is obtained. It has also been proved that the native practice of leaving the ginger in the ground for two years before harvesting is disadvantageous.

Correspondence

Memoranda for Correspondents.

Communications should be accompanied by the names and addresses of the writers, otherwise they cannot be dealt with.

Queries by subscribers on dispensing, legal, and miscellaneous subjects connected with the business are replied to in these columns if they are considered to be of general interest.

Correspondents are requested to write each query on a separate piece of paper. Every endeavour is made to reply to queries without delay, but insertion of the replies in "the next issue" cannot be guaranteed, nor, as a rule, can they be sent by post.

Letters submitted for publication (if suitable) should be written on one side of the paper only. Their publication in "The Chemist and Druggist" does not imply Editorial agreement with the opinions expressed, even when the writers use a "nom de plume."

Complete and systematic indexes of the "C. & D." are presented with the last issues in June and December each year. Every subject dealt with week by week is included, and correspondents are advised to refer to these and the "C. & D. Diary" before asking the Editor for information, so as to save time.

Export Licences.

Sir,—Some hard words have been written, and probably harder words have been said, about the official Departments dealing with licences to export. While from the standpoint of the man who is an expert in his particular line of business they may be thought to be, and sometimes are, deserved, nevertheless I venture to suggest that they are in a large number of cases not altogether reasonable. We all know how difficult it is for every business house in the country to maintain an efficient staff, and in consequence the abilities of the efficient have been taxed to the uttermost. Now, if this be the case with those of us who are supposed to know our business "inside out," how can it be expected that an organisation can be created, a large staff with expert knowledge collected at a moment's notice to deal with every trade and product affected by the prohibited list? What would be said if the Government were to take the efficient men from business-houses for this purpose? The firm with which I am connected carries on a large export business, and we are in daily touch with one or other of the Government Departments; and while we have had our difficulties and disappointments (some of them of our own making), it is a pleasure to be able to state that, with one exception, we have met with unfailing courtesy and consideration from the officials. We realised that if we wanted to keep up export business it was for us to find out (1) what we wanted, (2) how to do it, and (3) how to make it as easy as possible for the official Departments to help us. This in turn involved:

(1) A careful analysis of orders and indents with a view to ear-marking prohibited lines and the fixing of approximate dates and other details of shipment at the earliest possible moment.

(2) An up-to-date knowledge of prohibition rules and regulations, so as to be able to apply them properly and intelligently.

(3) The assumption that the other man knows nothing of your goods, and therefore application forms, shipping documents, and papers must be in such a form and language as to be readily understood by a man of average intelligence who may be called upon to pass them and may have no trade knowledge.

As a rule, at least a fortnight to three weeks elapses before an order or indent is ready for shipment, and if the order be carefully scrutinised immediately on receipt it should not be difficult in the majority of cases to ascertain the prohibited lines; and if a record of these lines be kept from time to time future shipments will be handled so much the easier, time and money will be saved, and better service will be rendered to the customer. To quote an instance: if when the goods are shipped a copy of the invoice is produced to the customer indicating the items of which the general export is prohibited, also a statement of the number of the licence or the date of the sanction to export, and a declaration at the foot that the shipment contains no other prohibited goods than those indicated and for which licence or sanction is produced, it is believed that the Customs would raise no difficulty in passing the exporter's shipments, unless there was good reason to suspect the statement made on such a copy invoice to be incorrect. There is no doubt from the writer's experience that there are a large number of manufacturers and others whose methods of dealing with their export-trade as affected by prohibitions is faulty, and for this reason a large measure of the troubles that fall upon them is due to their own want of knowledge, care, or perseverance. If the exporter does not himself exercise every care in the directions indicated, he can hardly blame an overworked official Department if there be delay and trouble in his shipments. The responsibility is on the Customs officers to see that the regulations are complied with, and they cannot be blamed if they guard themselves from censure. . . . Manufacturers and exporters will do well to rely on their own efforts. Yours truly,

Actus. (E 241/16.)

Gascoign's Powder.

Sir,—"Xrayser H.'s" note on Gascoign's powder induces me to point out that what was practically the same article was also known as the Countess of Kent's powder. Geo. Hartman, who professed to have access to Sir Kenelm Digby's secrets, gave a formula for it in his "Family Physician" (1696), which is a somewhat similar work to "The Queen's Cabinet Opened." Under the head of Gascoign's Powder in his "Chronicles of Pharmacy," Wootton refers to Hare's paper read before the Royal Society in 1714. I wonder if this date is correct, because in my copy of Hare's "Experiments and Observations upon Oriental and other Bezoar Stones," published in 1715, he refers to his lecture having been read twelve years previously, and the publication was deferred at his own request to permit of his accumulating more material and experimental results. Your antiquarian readers will no doubt be interested in this little book of Hare's, by reason of its including "A Vindication of Sugars against the Charge of Dr. Willis, other Physicians, and Common Prejudices—dedicated to the Ladies." Yours faithfully,

Heaton Moor, Stockport. William Kirkby.

The Action of Hydrogen Peroxide.

Sir,—The action of hydrogen peroxide in milk is very interesting and worthy of more investigation. It is some months since I began using it, in order to give me some clue whether milk is stale or not. Though I have applied it about a hundred times, I have not had time to collate the results and find out whether there is any real value in the test. It is used under the head of "the catalase test," and the amount of oxygen generated apparently varies according to the enzyme present. Other organic bodies would affect the amount, but the lactic and butyric are said not to produce any decomposition. Several other enzymes decompose peroxide, such as rennin and the diastase in malt extract. My method of using it differs from those usually recommended, in that I use plenty of the peroxide, which somewhat shortens the time. A convenient way would be to take an ordinary test-tube and mix an equal quantity of milk with 5-per-cent. peroxide neutralised with chalk, and fill the tube, inserting in the end a perforated rubber cork. Invert the tube in a measure and calculate the amount displaced. With London milk I find a large variation. Monday morning's milk gives a large amount, while other days it varies from 5 to 25 per cent. displacement in two hours. One sample of milk three days old had not coagulated, but completely emptied the tube. I have tried it with milk containing various antiseptics, and the results have been fairly constant. It seems to me that further investigation is needed, when we might get some clue by a simple method how far the catalytic process has gone, but I think it will be necessary to take into consideration the acidity of the milk.

G.N.C. Hospital, London, N. Herbert Skinner.

Insurance Dispensing Agreements.

Mr. Sydney F. Body (Southend-on-Sea) appeals to panel chemists of England and Wales, even at this eleventh hour, to assert themselves. "We are," he says, "trained men who have bought our knowledge and experience of dispensing through the toil and sweat of apprenticeship, study, and examination, to say nothing of impecunious assistant-days. At what do we appraise our worth? To be classed with bricklayers! Tell the Commissioners straight we are chemists and demand due financial recognition, or off we come."

Mr. A. Mortimer (Harrogate) writes: "It was with great pleasure I read your timely 'Leader' on Insurance dispensing agreements. Why an English pharmacist can accept the low fees now offered for his professional services when a Scotch pharmacist cannot, passes comprehension. The majority of English pharmacists, especially the North Country ones, are absolutely disgusted with the proposed remuneration. The main idea is fair enough for all panel chemists, but the payment offered is out of all proportion to the services rendered. What is required now is a thorough organisation of our forces and a protest in the only effective way (as you put it)—rejection. Patriotism

has kept many of us from protesting vigorously, but patriotism must not let us lie down and be trampled on by the Insurance Commissioners. We might be jelly-fish for all the backbone we exhibit. There must be united action to demand fair and just payment for skilled service. If we cannot get this, then with absolute unanimity we must come off the panel. As Mr. Sydney F. Body puts it, the war cry is 'off we come' if our legitimate demands are ignored."

A Panel Chemist (43/46) finds the chemists will have to price their own prescriptions, which appears to him three times the trouble it was in 1913, yet with less pay and more work [No. See p. 51]. He greatly admires the procedure of the Herefordshire chemists, under the leadership of Mr. Jackson, of Hereford, to appeal direct to the Insurance Commissioners, and to ignore the Pharmaceutical Committee. "It speaks volumes for Mr. Jackson to act square and fair above-board in the interests of the Herefordshire chemists by proving we are entitled to a fourpenny dispensing-fee, and ignoring establishment charges, which I quite agree with. Whatever you may be thinking of subscribing towards next year," concludes our correspondent, "be sure and save one guinea towards the Federation forming to endeavour to get you fair remuneration for your labour. The working of the Insurance Act for 1916 will prove who are the prigs and the fools."

Derbyshire Drudgeist (43/69) writes: "We chemists have been assured that if we accepted the new N.H.I. dispensing allowance for 1916 no pricing of scripts would fall on our shoulders. Wishing to be certain of this, I wrote to the Secretary of the Derbyshire Insurance Committee, and enclose his reply. I wish to point out that the cut rates offered us can only pay us (if at all), provided that no clerical work whatever has to be done. I do not know by what right this burden of pricing under the present system is being thrust upon us, and I cannot see anything in the appendix to assure us that further similar burdens may not be imposed, even to pricing scripts under the new Tariff and sorting out into values, not of consecutive halfpence, but into consecutive hundredths of a penny. What are we all being let in for?"

[Our correspondent has received a letter from the Secretary of his County Insurance Committee in which he states that "the new form of pricing under the 1916 Tariff will not be expected of chemists, but will be done in this office. You will, however, be expected to continue to price your prescriptions upon the present system." This makes confusion worse confounded, but twelve checking bureaus are to be set up in England and Wales for the purpose of pricing, so that all panel chemists will have to do will be to render accounts, on official forms, the particulars being supplied to them by the pricing bureaus, as we explained last week. See also p. 51.—EDITOR *C. & D.*]

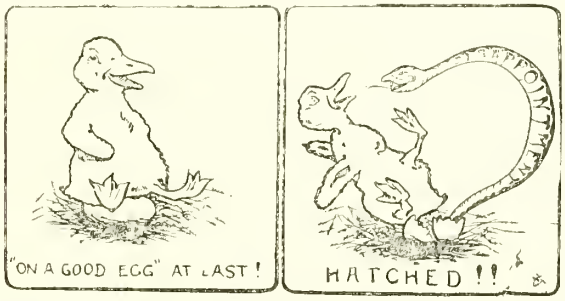
SIR,—I do not know whether, on the principle that "onlookers see most of the game," the views of a Colonial chemist would have any interest for your readers, but as a student of social questions the N.H.I. scheme interested me from the start. It has turned out exactly as I predicted to acquaintances in England, and if after latest developments, chemists waste any more time, work, and worry over the whole silly business, they deserve all they are likely to get. . . . This attempt to put the new wine of socialism in the old bottles of capitalism is a ridiculous and unworkable compromise; either let the chemist get his proper price as a trader or no price at all, but a State-paid salary as a State servant; the present system is like some madman's attempt at playing chess according to the rules of golf: it is a complete negation of terms. Apart from the academic aspect of the case the practical aspect is serious. The temptation to cheap, slovenly dispensing is great; proper style and finish become lost arts, and the wild antics indulged in by some of the younger generation under the name of "contract dispensing" make one wonder what claim after all they have on the respect of either prescribers or patients. The theory of dispensing as a serious and responsible undertaking has nearly died a natural death, and with it the chemist's only real claim on the community which gives him his living. Chemists are always selected as the subjects of these silly experiments on the small scale; they are expected to sell tram-coupons, manage sub-post-offices, act as parcel-delivery agents, receive and send telephone messages, and do a hundred-and-one other absurd things under the guise of obliging the public (usually gratis), because other traders are too incompetent (and usually too businesslike), but this N.H.I. dispensing is the biggest nonsense they have ever had foisted on them. Mr. Lloyd George knew his book when he started with the people's medicines: what hope would such a scheme have had applied to the supply of clothes, or food, or coals: what would "the trade" say to some such dodge for national beer, I wonder? If chemists as a class had a little more respect for themselves and each other they would throw the whole thing out of doors; the proper place for this class of "business" is the workhouse dispensary.

Yours, etc.,
VIATOR. (32/13.)

[This is not written by a chemist "disgruntled" by the terms of the 1916 Tariff, but by one in the Transvaal after reading the Departmental Committee's Report.—EDITOR *C. & D.*]

"On a Good Egg"

We subjoin a reproduction of a sketch by *Mr. C. E. B. Merriman*, which is a Minor man's view of the situation propounded by Mr. Trayner last week:



SIR,—I notice in the *C. & D.* that the Council of the Public Pharmacists' and Dispensers' Association has applied for war badges to be supplied to "pharmacists" engaged in public institutions. From the announcement, one is led to understand that the Council confines its demands to its "pharmacist" members. When one remembers that these were raised to the Peerage not only without examination, but without paying the fee, by Section 3 (3) of the Act of 1908, one wonders why its dispenser members, who are entitled to be ennobled on payment of the fee, under the provisions of Section 4 (*b*) of the same Act of Parliament, are left in the desert, after suffering a serious injustice of over seven years' standing. Surely the Council has had sufficient time to learn the meaning of

NOBLESSE OBLIGE. (45/19.)

British Pharmacopœia Synonyms.

SIR,—Supplementing your remarks in regard to laudanum, and the introduction of this and other synonyms into the British Pharmacopœia, 1885, I desire to point out that the synonyms of the first B.P. (*e.g.*, ammoniæ murias, *Ed. Dub.*, for ammoniæ hydrochloras) were proper and necessary; they were, without exception, the old official names, and the particular Pharmacopœias in which they had appeared (when they had not been common to all the three) were in every case indicated. This was a sound principle, and no objection can be taken to the subsequent giving of official synonyms in the case of new drugs and preparations which before their introduction into the Pharmacopœia had been known by more than one name; as, for instance, "phenic acid" for "carbolic acid." But the extension of the practice to include old unofficial names of articles in popular demand is both vicious in principle and mischievous in effect. It does not fall within the province of the Medical Council to determine the scope of names in use for centuries that have no scientific value and no necessary relation to any official drug. This is a trade concern and should be determined by a trade authority if at all. The fitness of medical men for such a job may be gauged by an item in one of the new recipes in the Middlesex Formulary: one of the ingredients is given as "Chlorodyne, 1885." The term "synonym," by the way, is frequently misused. In a "Dictionary of Synonyms" now before me (not yours!) there are scores of such entries as "Unguentum Althæ: Marshmallow Ointment," which is merely a translation, and "Gelanthum: A Mixture of Gelatin, Tragacanth, Glycerin, and Water," where only one name is given for the preparation.

Yours faithfully,
CHEMICUS. (233/58.)

Subscribers' Symposium.

For interchange of opinion among "C. & D." readers, and brief notes on business and practical topics, especially new ideas.

Labelling Tins.

Sinapis (N.Z.) (44/42), writing in reference to a reply in the *C. & D.*, August 7, regarding a suitable method for sticking gummed-paper labels to tin boxes, states that he has always found that a little tr. benz. co., applied with a small brush and allowed to dry before labelling the tins, answers the purpose admirably.

A Warning.

Mr. A. A. Bone (Prebble & Bone, Chislehurst) writes: "May I warn brother chemists against two stylishly dressed young men, one of whom is of pronounced Jewish appearance? After purchasing a thing or two, perhaps associated with a bad eye, they ask to have a cheque cashed. This may be drawn on the Ealing branch of the London City and Midland Bank, and be worthless. These men appear to be wanted by the police at Reigate, and should be detained."

Jay Macksims

(As he Writes them).

(1) Sign the contract for 1916 is the best answer to Bermondsey bunkum.

(2) Peat & Co.'s figures (*C. & D.*, September 18, p. 47) are very confusing as stated and condensed. But when taken to pieces and shown clearly they are all we really need to prove that the 0.8*d.* fee needs to be greatly increased. Thus:

	1911-12 £	1913-14 £
Drug takings	33,735	35,021
Other	17,710	20,140
	51,445	55,161
N.I.	—	8,866
	51,445	64,027

Only 3,700*l.* increase in ordinary trade in a good year divided between twenty businesses=100*l.* to 200*l.* per shop; drug-trade only, 1,300*l.* increase And the public went mad on patents.

	1911-12 £	1913-14 £
Cost of Drugs	17,789	22,673
Estab. Charges on Drugs alone ...	7,143	9,152
Rise in Charges	—	2,010

The Blackpool Association said this in June 1913. The 2,000*l.* increase in establishment charges consisted of wages, I presume. Exactly 22½ per cent. of the 8,866*l.* N.I. receipts.

	1911-12 %	1913-14 %
Gross Drug Profit (all on selling prices)	47.3	48.3
Net Profit...	26.1	27.5
Gross whole Business	41.0	42.2
Net Profit	20.3	21.9

Increased profit, 1 per cent. on account of N.I. Where, then, is the Bermondsey 1,000 per cent.?

(3) Price your duplicates on the old Tariff for January, February, March as an extra precaution.

(4) Get a definition of establishment charges. Is it working-expenses as allowed by the Inland Revenue, as indicated by Peat's figures? Does it exclude all wages to the actual owner who does his own dispensing, as well as the clerk and porter's work? Is there any allowance for dead stock resulting from special drugs rarely used, new discoveries, and changes in the doctors' ideas in treatment?

(5) Then get your balance-sheets ready, and we can, and will, get that 0.8*d.* doubled or perhaps trebled; and Dr. Salter will need a new election cry when he fights Bermondsey.

Dispensing Difficulties and Notes.

Readers are advised to consult "The Art of Dispensing" in regard to compounding difficulties. We welcome fresh problems and invite the co-operation and correspondence of dispensers in their elucidation.

Cloudy or Clear?

Sir,—Will you please inform me what should be the appearance of the following mixture? Should it be clear or otherwise?—

Syr. Eastonii	ʒxij.
Tr. digitalis	ʒj.
Tr. bellad.	ʒj.
Aq. chlorof. ad	℥vj.

ʒss. 4 h. ex aq.

Yours truly,

H. T. N. (25/11.)

[When first compounded the mixture is practically clear: there is just a faint dimness. After standing undisturbed for twelve hours or more a light precipitate settles at the bottom. When the syrup is diluted with the chloroform-water and the tinctures omitted there is no precipitate. The mixture compounded with the proportion of phosphoric acid present in the Easton's syrup, but without the other constituents of the syrup, exhibits the same precipitate as the mixture when compounded according to the prescription. The precipitate is therefore a little colouring-matter thrown down from the tinctures. When the mixture is shaken the precipitate disappears and the mixture resumes its original appearance.]

Legal Queries.

The majority of difficulties in regard to trade law are explained in the legal section of "The Chemist and Druggist Diary," 1915, beginning on page 405.

B. W. (43/42).—The Minor examination certificate is not accepted by the Pharmaceutical Society of Ireland in lieu of the Licence examination.

Viewins (44/53).—If you read the reply again, you will find that it referred to a label in which the word "balsam" is used; the significance of that is fully explained in the *C. & D. Diary*, p. 418. Your labels are not liable.

Lex (43/54).—If your relative gives a note of hand stating that she cancels the debt of —— due by you to her, it will suffice for the purpose. It would be advisable for her to put a duplicate of the note among her papers to save *post obit* trouble.

Saline (39/2).—The objection to pharmaceutical chemists or other persons in Ireland who are not apothecaries using the description "Apothecaries' Hall" is that there is an Apothecaries' Act in Ireland which restricts the use of the title "Apothecary" to persons qualified under that Act.

B. W. I. (263/9).—A proprietary article containing santonin, calomel, and powdered rhubarb can be sold in Great Britain by any person, whether a chemist or not; but if it is a proprietary article requiring a medicine-stamp it may only be sold by those who are licensed to retail dutiable medicines.

Bald (239/5).—It is not possible to answer queries in regard to the lotion, pills, and cream until we receive all the printed matter attached to the articles, such as the labels and advertisements issued along with or regarding them. It is upon these that liability, or otherwise, to medicine stamp-duty depends.

Cornishman (17/39).—An income-tax return should show total sales during the year and the value of the stock at the end of the year, against which the following are placed: (1) Value of stock on the first day of the year; (2) purchases during the year; (3) rent, rates, gas, and water; (4) outlays for the carriage of goods; (5) wages and petty cash outlays; (6) bad debts; and (7) advertising, printing, and the like. The total of these deducted from sales and stock gives the net profit on trading for the year.

Justice (38/52) sold his business in February 1914, the Insurance Committee paying him the amount due to him up to the date of sale. His successor has accepted an emergency settlement in respect of the 1914 accounts, which involves a *pro rata* reduction of 9¾ per cent. upon the amount paid in respect to the whole year. Is "Justice" bound to pay his successor this difference? [Since his successor has voluntarily accepted the emergency settlement we do not consider that "Justice" is under any legal obligation to make him any allowance, but in the circumstances he should meet his successor as to the deficit for the first two months of the year.]

Retrospect of Fifty Years Ago.

Reprinted from "The Chemist and Druggist," Nov. 15, 1865.

Simple Syrup.

Mr. Thomas Fardon, of Maidstone, writes: "Probably some of your readers have experienced, like myself, a difficulty in making simple syrup so as to prevent it 'candying.' My opinion is decidedly against employing the article which is now finding its way into this country in such large quantities, and is manufactured in Belgium and France. It is next to impossible to get this sugar into solution without boiling, while the West Indian article gives no trouble whatever."

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AND
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Bicarbonate of Soda.

This Bicarbonate answers all the requirements of the British Pharmacopœia. It is a pure, refined, and decrystallised salt, particularly free from metals or any base other than soda. This sodium bicarbonate is specially suitable for the preparation of granular effervescent preparations and salines, seidlitz powders and baking powders, and is well adapted for other medicinal and domestic purposes. It is the purest and cheapest sodium bicarbonate made.

Concentrated Crystal Soda.

This sodium carbonate monohydrate sesquicarbonate is a variety of carbonate of soda in small shiny crystals, containing much less water than ordinary washing soda: 1 lb. of it does the work of 2 lbs. of washing soda. Concentrated crystal soda is excellently suited for chemists' trade, they can make a speciality of it, and it is also suited for making water-softeners, brush powders, hand-wash powders, and the like.

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55 Degrees.

A dry, white powder: dissolves quickly and easily in water, making an excellent detergent for use by printers, bleachers, dyers, and for bottle washing. Is nearly equal to 99 per cent. carbonate of soda; is much used by glass, paper, and soap makers. The best alkali for soap powders and washing powders.

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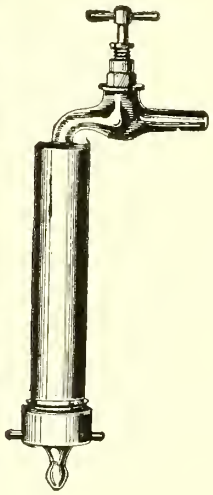

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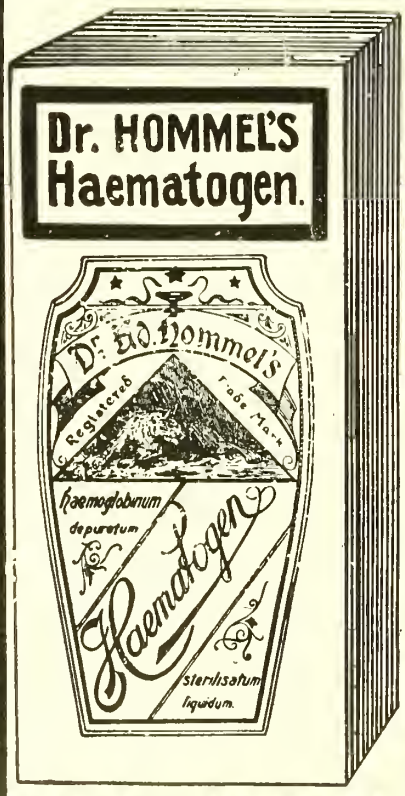

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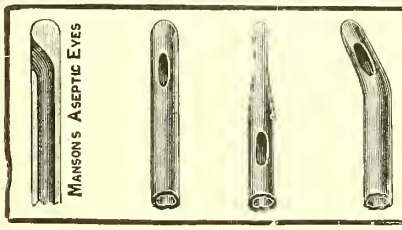

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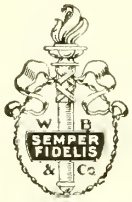

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N.B.—We would draw attention to the fact that all prices quoted herein are subject to alteration without notice, and that where stocks are limited preference is always given to our regular customers.

Fol. Sennæ Tinnev., 1 cwt. @ 5½d. lb.; 7 lbs. @ 7d. lb.: English Ground, 56 lbs. @ 1/- lb.: 7 lbs. @ 1/1 lb.
Formaldehyde, 40%. 4 cwt. barrels @ 64/- cwt.; 7 lbs. @ 11d. lb.
Fuller's Earth, fine powder or lump, 5 cwt. @ 7/6 cwt.; 1 cwt. @ 8/6 cwt.

Galla Cærul. Pulv., 7 lbs. @ 1/3 lb.
Gamboge, English Ground 7 lbs. @ 3/10 lb.; 1 lb. @ 4/2 lb.
Ginger, English Ground, 1 cwt. @ 46/- cwt.; 7 lbs. @ 7d. lb.
Gingerine, Extra, 5 lbs. @ 13/- lb.; 1 lb. @ 13/6.
Glycerin. Opt. D.D., 1.260 P.B., 1 cwt @ 118/- cwt.; 56 lbs. @ 120/- cwt.; 12 lbs. @ 1/3 lb.
*Glycerin. Acid. Boric, P.B., 6 lbs @ 2/- lb.
* „ Acid. Carbolic. P.B., 6 lbs. @ 1/9 lb.
* „ Acid. Tannic, P.B., 6 lbs @ 2/4 lb.
„ Belladon. B.P.C., 6 lbs. @ 4/6 lb.; 1 lb. @ 5/- lb.
*Glycerin. Boracis, P.B., 6 lbs. @ 1/5 lb.
* „ Pepsin. Acid. P.B., 1 lb. @ 3/10 lb.
* „ Plumbi Subacet. P.B., 6 lbs. @ 1/9 lb.
Guaiacol Carb., 1 lb. @ 8/- lb.
Guaiacol, pure, 1 lb. @ 3/- lb.
Gum Acaciæ sorts, 3 cwt. @ 55/6 cwt.; 1 cwt. @ 59/6 cwt.; 7 lbs. @ 8d. lb.; English Ground Powder, No. 1, 1 cwt. @ 115/- cwt.; 7 lbs. @ 1/2½ lb.; No. 2, 1 cwt. @ 90/- cwt.; 7 lbs. @ 11d. lb.
Gum Benzoin, Sumatra, 84 lbs. @ 1/10 lb.; 7 lbs. @ 2/- lb.
Gum Catechu Nig., English Ground, 1 cwt. @ 75/- cwt.; 14 lbs. @ 8½d. lb.
Gum Guaiaci, 1 cwt. @ 1/3 lb; 28 lbs. @ 1/5 lb.
Gum Juniper, 14 lbs. @ 1/- lb.
Gum Thus Elect., 2½ cwt. @ 40/- cwt.; 28 lbs. @ 46/- cwt.
Gum Tragac. Elect., English Ground, 7 lbs. @ 8/3 lb.; 1 lb. @ 8/6 lb.

*Heading (Frothing Ess.), 5 lbs. @ 1/3 lb.
Heliotropine, 1 lb. @ 11/- lb.
Helebore, White, Powder (Foreign Ground), 1 cwt. @ 45/- cwt.
Hexamethylenetetramine, 7 lbs. @ 6/6 lb.; 1 lb. @ 6/10 lb.
Honey, Pale Set, Jamaica, 3½ cwt. @ 44/- cwt.; 28 lbs. @ 50/- cwt.: Californian, ½ cwt. @ 57/- cwt.; 7 lbs. @ 8d. lb.
Hydrargyum, P.B., 10 lbs. @ 5/6 lb.; 1 lb. @ 5/10 lb; Ammon., 28 lbs. @ lb.; c. Creta. 28 lbs. @ 2/6½ lb.; Iodid. Rub. 28 lbs. @ 16/2 lb.; Oxid. Rub., 28 lbs. @ 8/- lb.; Perchlor., Lump, 28 lbs. @ 7/7 lb.; Subchlor., 28 lbs. @ 7/4 lb.; Sulph. c. Sulph., 28 lbs. @ 7/- lb.; 7-lb. quantities 1d. lb. extra, 3-lb. quantities, 2d. lb. extra, 1-lb. quantities, 3d. lb. extra.
Hydrokinone, 1 lb. @ 29/- lb.

Ichthyol Ammon. chemical equivalent: Ammon. Ichthosulphonas, B.P. Codex, 7 lbs. @ 7/- lb.: 1 lb. @ 7/6 lb.
*Inf. Aurant. Conc., 1 to 7, 6 lbs. @ 1/7 lb.
* „ Aurant. Comp. Conc., 1 to 7, 6 lbs @ 1/6 lb.
* „ Buchu Conc., 1 to 7, 6 lbs. @ 2/5 lb.
* „ Calumbæ Conc., 1 to 7, 6 lbs. @ 1/1 lb.
* „ Caryoph. Conc., 1 to 7, 6 lbs @ 1/2 lb.
* „ Cascarilla Conc., 1 to 7, 6 lbs. @ 1/6 lb.
* „ Cinchonæ Acid, 1 to 7, 6 lbs. @ 1/9 lb.
* „ Gentianæ Co., 1 to 7, 6 lbs. @ 1/3 lb.
* „ Quassiæ Conc., 1 to 7, 6 lbs. @ 11d. lb.
* „ Rhei Conc., 1 to 7, 6 lbs. @ 1/8 lb.
* „ Rosæ Acid. Conc., 1 to 7, 6 lbs. @ 2/6 lb.
* „ Senegæ Conc., 1 to 7, 6 lbs. @ 2/5 lb.
* „ Valerian Conc., 1 to 7, 6 lbs. @ 1/5 lb.

Insect Powder, Opt., English Grd., closed flowers; 7 lbs. @ 3/- lb.; English Ground, ½ closed flowers, 4d. lb. less; Foreign Ground, 28 lbs. @ 1/6 lb.
Iodoform Pulv. B.P., 7 lbs. @ 20/6 lb.; 1 lb. @ 21/-
Iodum resub. B.P., 7 lbs. @ 18/9 lb.; 1 lb. @ 19/3 lb.
Isinglass, Brazil, fine cut, 7 lbs. @ 3/9 lb.; 1 lb. @ 4/- lb.; Russian finest, 7 lbs. @ 10/6 lb.; 1 lb. @ 11/- lb.; Ribbon or Sheet, 7 lbs. @ 2/9 lb.; 1 lb. @ 3/- lb.

Kamala, 7 lbs. @ 1/5 lb.; sifted, 1/9 per lb.

Lapis Pumicis, fine powder, 2 cwt. @ 11/- cwt.; 7 lbs. @ 2d lb.; lump, 2 cwt. @ 16/- cwt.; 7 lbs. @ 3d. lb.
Licorice Juice, 4 & 2-oz. Sticks, 1 cwt. @ 125/- cwt.; 28 lbs. @ 1/2½ lb.; 7 lbs. @ 1/3 lb.
*Lin. Aconiti Meth, 5 lbs. @ 1/7 lb.; 1 lb. @ 1/10 lb.
* „ Bellad. Meth., 5 lbs. @ 4/11 lb.; 1 lb. @ 5/2 lb. [1/1 lb.
„ Camph. P.B., 40 lbs. @ 1/- lb.; 9 lbs. @
„ Sapo Meth., 9 lbs. @ 9d. lb.
„ Tereb. Acet, B.P., 5 lbs. @ 1/- lb.
Linseed c. Oil, Crushed, 3 cwt. @ 20/- cwt.; 1 cwt. @ 21/- cwt.
*Liq. Ammonii Acetatis Conc. 1-7, 6 lbs. @ 1/1 lb.; 1 lb. @ 1/4 lb.
* „ Ammon. Aromat., 6 lbs. @ 10d. lb.
* „ Antim. Chlor. Pure, 8 lbs. @ 7d. lb.
* „ Arsenicalis, B.P., 7 lbs. @ 4d. lb.; 1 lb. @ 7d. lb.
* „ Arsenii Hydrochlor., P.B., 7 lbs. @ 4d. lb.; 1 lb. @ 7d. lb.
* „ Bismuth, P.B., 6 lbs. @ 1/6 lb.
* „ Copaiba Buchu et Cubeb, 5 lbs. @ 2/11 lb.; 1 lb. @ 3/2 lb.
* „ Easton., p.s. 1-3, B.P., 1 lb. @ 3/5 lb.
* „ Ferri Dialysatus, 6 lbs. @ 10d. lb.
* „ Ferri Iod. p.s., 1-7, 1 lb. @ 8/- lb.
* „ Ferri Perchlor. Fort., P.B., 7 lbs. @ 4½d. lb.
* „ Ferri Phosph. Co. p.s., 1-7, 7 lbs. @ 1/7 lb.
* „ Hamamelidis, B.P., 6 lbs. @ 1/2 lb.
* „ Hypophosph. Co., p.s., B.P.C., 1 lb. @ 3/10 lb.
* „ Iodi Fort, B.P., 5 lbs. @ 6/7 lb.
* „ Morphinæ Acet. or Hydrochlor., P.B., 6 lbs. @ 3/11 lb.
* „ Opii Sed., 5 lbs. @ 5/1 lb.
* „ Plumbi Subacet., P.B., 7 lbs. @ 6d. lb.
* „ Pruni Virg. p.s. 1-7, 5 lbs. @ 2/8 lb.
* „ Rhœados pro Syr., 1 to 7, 5 lbs. @ 2/7 lb.
* „ Rhei, p.s., 1-7, 6 lbs. @ 2/3 lb.
* „ Santali Co., 1 lb. @ 4/6 lb.
* „ Sennæ Dulc. 6 lbs. @ 1/7 lb.
* „ Sennæ pro Syr. 1-7, 6 lbs. @ 3/4 lb.
* „ Strychninæ Hyd. P.B., 6 lbs. @ 1/10 lb.
* „ Tolut. pro Syr. 1-7, 6 lbs. @ 1/9 lb.
* „ Trinitrini, B.P., 1 lb. @ 6/6 lb.
Lithia Carb. P.B., 28 lbs. @ 6/- lb.; 7 lbs. @ 6/3 lb.; 1 lb. @ 6/5 lb.
„ Citras, B.P., 28 lbs. @ [illegible]/- lb.; 7 lbs. @ 6/3 lb.; pulv., 3d. lb. extra.
Lycopodium, 7 lbs. @ 5/4 lb

Mag. Calc. Levis, 1 lb. @ 1/6 lb.
Mag. Calc. Pond., 7 lbs. @ 1/10 lb; 1 lb. @ 2/- lb.
Mag. Carb. Pond., 7 lbs. @ 1[illegible]d. lb.
Mag. Carb. Levis., 1 cwt. @ 44/-; 7 lbs. @ 6d. lb.
Mag. Ci[illegible] 1/- [illegible] 1 lb.
Mag. Sulph., fine druggists', B.P., 28 lbs. @ ½d.
Manna, Good Flake, 14 lbs. @ 4/10 lb.; 7 lbs. @ 5/- lb.; 1 lb. @ 5/3 lb.
Menthol, dry white cryst., 60 lbs @ 11/11 lb; 5 lbs. @ 12/9 lb.

*Mist. Sennæ Comp., B.P., 20 lbs. @ 7½d. lb. 6 lbs. @ 8½d. lb.
Morphinæ Acet. Hydrochlor. or Sulph., Pulv. B.P., 25 oz. @ 14/- oz.; 16 oz. @ 14/3 oz.; 8 oz. @ 14/6 oz.; 1 oz. @ 15/3 oz.; Pur. Præcip. Bimeconate or Tart., 1 oz. @ 19/- oz.
Morphinæ Diacetyl., 4 oz. @ 24/- oz.; 1 oz. @ 24/6 oz.; Hydrochlor., 6d. per oz. less.
Myrrh. Gum, English Ground, 28 lbs. @ 1/3 lb.; 7 lbs. @ 1/5 lb.

Naphthalene, Flake, 7 lbs. @ 6½d. lb.
Nux Areca, 1 cwt. @ 55/- cwt.; 7 lbs. @ 7d. lb.; powder, English ground, @ 80/- cwt.; 7 lbs. @ 9½d. lb.

Ol. Amygdal. Ang., B.P., 9 lbs. @ 3/1 lb.
Ol. Anethi Ang. B.P., 1 lb. @ 17/6 lb.
Ol. Anisi, E.I., 66 lbs. @ 3/6 lb.; 16½ lbs. @ 3/10 lb.; 4½ lbs. @ 4/6 lb.; 1 lb. @ 5/- lb.
Ol. Aurant., 12 lbs. @ 9/6 lb.; 1 lb. @ 10/3 lb.; not guaranteed absolutely pure.
Oil of Bays, genuine W.I., 1 lb. @ 14/6 lb.
Ol. Cajuput., B.P., 21½ oz. bots. @ 4/9 lb.
Ol. Camphor. Essent., White, 80 lbs. @ 85/- cwt.; 40 lbs. @ 90/- cwt.; Brown, 40 lbs. @ 120/- cwt.
Ol. Caryoph. Ang., B.P., 9 lbs. @ 5/8 lb.; 4½ lbs. @ 6/- lb.
Ol. Cassiæ, 16 lbs. @ 3/4 lb.; 6 lbs. @ 3/9 lb.
Ol. Cinnam., 1 lb. @ 32/- lb.; 1 oz. @ 2/3 oz.
Ol. Citronellæ, 9 lbs. @ 2/3 lb.
Ol. Coco Nucis, finest White, 80 lbs. @ 56/- cwt.; 40 lbs. @ 58/- cwt.
Ol. Eucalypt., B.P., 1 cwt. @ 1/9½ lb.; 28 lbs. @ 1/10 lb.; 9 lbs. @ 1/11 lb.
Ol. Geranii Gall. Opt., 1 lb. @ 28/- lb.; 8 1-oz. bots. @ 2/3 oz.; 1 oz. @ 2/6 oz.; Turc., 1 lb. @ 12/6 lb.; 4 ozs. @ 15/- lb.
Ol. Gynocardiæ, 5 lbs. @ 4/- lb.; 1 lb. @ 4/3 lb.
Ol. Juniperi Ligne Exot., 9 lbs. @ 2/- lb.
Ol. Lavand. ab Flor., 5 lbs. @ 13/6 lb.; 1 lb. @ 14/6 lb.
Ol. Menth. Pip. English, 5 lbs. @ 35/6 lb.; 1 lb. @ 36/6 lb.; Hotchkiss original bots., 21 oz. each @ 14/6 lb.; 6 bots. @ 14/3 lb.; 18 bots. @ 14/- lb.; American, 20 lbs. @ 10/- lb; 4½ lbs. @ 10/9 lb.; 1 lb. @ 11/3 lb.; Japanese, 60 lbs. @ 3/7 lb.; 5 lbs. @ 3/10 lb.
Ol. Morrhuæ, 1915, finest non-freezing, 2-gall. tins @ 15/6 per gall.
Ol. Myrbane, 9 lbs. @ 2/3 lb.
Ol. Myristicæ, 7 lbs. @ 4/3 lb.; 1 lb. @ 4/6 lb.
Ol. Nucis Pallid. 2 gall. tins @ 6/11 gall.
Ol. Olivæ, P.B., good yellow, guaranteed pure, 45 gall. barrels @ 5/2 gall.; 2 gall. tins @ 6/6 gall.
Ol. Origani Rub., Coml., 28 lbs. @ 1/10 lb.; 9 lbs. @ 2/- lb.
Ol. Peach Kernel (so-called), 1 cwt. @ 1/4 lb.; 56 lbs. @ 1/5 lb.; 9 lbs. @ 1/7 lb.
Ol. Pulegil B.P., 5 lbs. @ 6/6 lb.; 1 lb. @ 6/10.
Ol. Ricini Alb. Opt. Medicinal, 44 lbs. @ 84/- cwt.; 9 lbs. @ 10d. lb.; for export, 1 cwt. drums recommended.
Ol. Rosmarini, Coml., 28 lbs. @ 1/6 lb.; 9 lbs. @ 1/7 lb.; B.P., 9 lbs. @ 2/5 lb.; 1 lb. @ 2/9 lb.
Ol. Santal. Flav. Ang. B.P., 5 lbs. @ 31/6 lb.; 1 lb. @ 32/6 lb.
Ol. Sassafras, genuine, 28 lbs. @ 3/3 lb.; 1 lb. @ 3/8 lb.
Ol. Theobromæ, B.P., 8-oz. tabs., 28 lbs. @ 2/3 lb.; 7 lbs. @ 2/4 lb.
Ol. Wintergreen, Artificial, 5 lbs. @ 14/- lb. 1 lb. @ 14/6 lb.
Opium Turc. B.P., 14 lbs. @ 3/6 lb; 3 lbs. @ 37/6 lb.; 1 lb. @ 38/6 lb.; powder, 6d. lb. extra.

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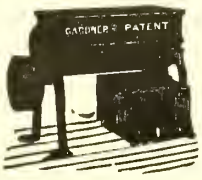

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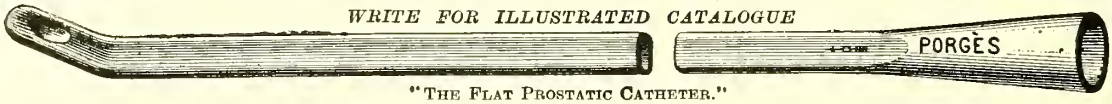

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→ AN EXCELLENT AND ATTRACTIVE CRYSTALLISED PASTILLE.
→ PREPARED WITH A GUM-ARABIC BASE, ARE BOTH PALATABLE AND EFFICACIOUS.
→ HANDSOME SHOWCARDS AND CARTONS SUPPLIED FREE.
→ PACKED IN TINS OR SHOW JARS, MAKING A SMART ATTRACTIVE WINDOW DISPLAY.
→ SHOW A 100% MINIMUM PROFIT.

T. GUEST & CO.,
LIMITED,
Carruthers St., Ancoats, Manchester.

A. MILLAR & CO., LTD., DUBLIN

PURE ORANGE WINE

VINUM AURANTII, B.P. Prepared in strict accordance with the Formula of the British Pharmacopœia. (Wholesale only.
London Agent · JAMES STIRTON, 43 GREAT TOWER STREET, E.C.

TO USERS and DEALERS in METH. SPIRIT and SPIRIT OF WINE.
FOR QUOTATIONS apply to—
PRESTON'S LIVERPOOL DISTILLERY Co., Ld.
The Largest Makers in the Kingdom.
BANKHALL DISTILLERY, SANDHILLS, LIVERPOOL. Office: 4 India B'ngs, Water St., Liverpool.

Do You Sell
Sister Lauras Food?

The question is often asked nowadays. The Chemist who does not stock Sister Lauras Food is missing a good line.

Sister Lauras Food is achieving great success as a preparation for weakly babes and for invalids and the aged.

It makes milk digestible and is invaluable in cases of malnutrition.

It is a thoroughly reliable line and one that brings a handsome return.

Samples and advertising matter free on application

SISTER LAURAS INFANT FOOD CO., Ltd., 156 Vincent Street GLASGOW.

SAPONINE
(SOLUBLE),
MANUFACTURED BY
C. W. FIELD, LTD.,
Cambrian Mills, LIVERPOOL.
Special Terms to Wholesalers and large Consumers.

May, Roberts' Traveller.

No. 4023 CITY. NOVEMBER 27, 1915 LONDON & DUBLIN.

CHRISTMAS PRESENTS FOR SOLDIERS

CABINET OF CAMP COMFORTS.

8/- per dozen.

Shaving Soap
Boracic Ointment
Vaseline
Tooth Brush
Tooth Powder
Trench Powder
Chilblain Tablet.

8/- per dozen.
Less 5% discount.

TRENCH OINTMENT.

3/6 per dozen. Less 5% discount.

Prepared from the formula of a physician of European reputation, it is instantaneously fatal to all forms of body parasites, and also destroys the eggs.

1d. CARBOLIC TOOTH PASTE.

In collapsible tubes, on cards of 2 dozen each.

8/6 per gross. Less 5% discount.

Many hundreds of grosses of this have already been sent to France.

MAY, ROBERTS & CO., LTD., 7, 9 & 11 Clerkenwell Road, E.C. And at 16 Westmoreland Street, Dublin.

THE CHEMIST & DRUGGIST SUPPLEMENT.

OFFICE: 42 CANNON STREET, E.C. SATURDAY, NOVEMBER 27 1915

TO ADVERTISERS IN THIS SUPPLEMENT.

The Publisher desires to make it clear that advertisements of Businesses for Disposal and Wanted, Situations Open and Wanted, Exchange Column, &c., MUST BE PREPAID (except in the case of serial advertisers), and to ensure prompt insertion

REMITTANCES MUST ACCOMPANY INSTRUCTIONS.

Advertisements for the current issue cannot be received after 4 p.m. on Thursday in each week. If it is necessary to telephone or telegraph an urgent announcement this may be done

PROVIDED the MONEY is TELEGRAPHED

at the same time and the fact made clear that the money order is to be delivered at 42 CANNON STREET, LONDON, E.C. Advertisers will assist greatly in the preparation and quick despatch of the Supplement by making careful note of these rules. **Telephone: No. 3617 Central (3 lines). Telegraphic Address: "Chemicus Cannon London."** (Three words counted as two.)

BEST RESULTS EVERY WEEK!

That is what advertisers in The Chemist and Druggist Supplement secure. Not indefinite returns from spasmodic and inflated circulation, but regular, steady success—the best possible in the Drug Trade. It gives

THE PUBLICITY IT PAYS TO PAY FOR.

CHEMISTS' TRANSFERS.

Messrs. ORRIDGE & CO., 56 Ludgate Hill, E.C.

Telephone Number: City 2283.

May be consulted at their Offices on matters of SALE, PURCHASE, and VALUATION.

1.—LONDON, S.W.—Good-class Dispensing Business for Disposal through ill-health; returns between £2,100 and £2,200; *gross profit* 50 *per cent.*; every investigation courted; price £1,500.

2.—LONDON, N.—Cash Retail Business, in busy locality; returns £650; profitable work; well-fitted shop; rent £65; sublet £24; price £500, or near offer entertained; vendor retiring.

3.—LONDON, S.W. (Attractive Locality).—Well-established Business; excellent position in main shopping thoroughfare; returns about £1,800 yearly; *net profit over* £350; attractive shop, double-fronted; about the value of stock and fixtures required; illness cause of sale.

4.—LONDON, N. (Distant Suburb).—Ready-money Business, including some N.H.I. Dispensing; returns about £1,000, at fair prices; rent £38, rising to £42; small residence with garden; price £500.

5.—RICHMOND (Within Easy Distance of).—Light Retail and Dispensing Business; established upwards of 50 years; returns under management £650; *net profit* £200; can be very much increased; capital opportunity for modern trading; about £475 required.

6.—SYDENHAM.—Retail and Family Business; well situated; retnrns about £950; *net profit* £276; good residence; full investigation invited; offer wanted.

7.—LONDON, S.W. (Main Thoroughfare).—Price £100, or offer; a good but neglected Business, returning, present rate, between £4 and £5 weekly; owing to a breakdown in vendor's health the concern must be sold; this is a good opening for a man with small capital.

8.—NOTTS.—Light Retail, Dispensing, and Photographic; very little N.H.I. and no heavy trade; good opening for Optics and Dentistry; returns £1,050; *net income* £240; no serious opposition; about £800 required; vendor estimates stock and fixtures at £750.

9.—GLAMORGANSHIRE.—Price £325; Light Retail and Dispensing (N.H.I.); returns £700; *estimated net profit* £200; rent only £40, including 7-roomed house and double-fronted shop.

10.—YORKS (Manufacturing Town).—Good-class Retail and Dispensing Business (N.H.I.); returning £1,050, at good prices; rent £19 10*s.*; small residence; price £650, about the value of stock and fixtures.

11.—ON THE BANKS OF THE UPPER THAMES.—Good-class Family Retail, Dispensing, and Photographic trade; entirely unopposed, returns show a yearly increase, being about £750, at good prices; rent £34; sublet £10; offer wanted.

12.—SURREY HILLS.—Good-class Business; returns, present rate, about £2,000 per annum; *net profit* 25 *per cent.*; modern fitted shop, fully stocked; terms, goodwill £125, stock and fixtures at a fair valuation.

13.—SUFFOLK.—Situate in first-class business town, old-established Business; good position in the main street; returns £2,000; vendor's own property; new lease will be granted; terms, £300, stock and fixtures at valuation, or short Partnership considered.

14.—SOUTHERN COUNTY.—Family, Retail, and Dispensing Business, with good Proprietaries; old-established; returns about £840; *net profit* £300; well-appointed shop; best position in main thoroughfare; price £750.

VALUATIONS FOR STOCKTAKING.

Messrs. O. & Co. desire to emphasize the necessity of a Periodical Statement of Account, by which means alone **Profit, the value of Business, &c.**, can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted, and eventually becomes the cause of **confusion and loss.**

Messrs. O. & Co. are prepared to undertake these essential duties, and will make **Special Terms** for such services.

ORRIDGE & CO., 56 LUDGATE HILL, LONDON, E.C.

BRETT & CO.

Licensed Valuers,

73 LAUREL ROAD, LEICESTER.

Telegrams, "Brett Leicester." Telephone 1934.

F. J. BRETT, M.P.S.,

GIVES PERSONAL ATTENTION TO ALL VALUATIONS.

NO CHARGE TO BUYERS.

AGENCY.—We have always a large number of *Buyers* on our books, and we can frequently find a purchaser at once. We also have a *Private Register* for vendors who are in no hurry to sell, and who do not wish their businesses to be advertised.

STOCKTAKING SPECIALISTS to the Entire DRUG TRADE.

£1,100 returns.—YORKSHIRE.—Good medium-class Retail in prosperous town of 50,000; best position in town; vendor, joining the Army, will sell or entertain Partner; plenty of scope for Optics or Dentistry; price simply valuation of stock and fixtures, from £500 to £600.

£600 returns.—LANCS.—Light Family Retail; vendor, during an occupancy of nearly 30 years, has made enough to retire on, and gives little personal attention: there is less opposition than ever, and any young, pushing man would find this a sound investment; price £220.

£1,400 returns.—YORKSHIRE.—First-class Retail and Dispensing, in fashionable town; good position; old-established; very sound investment; about £1,100.

£1,180 returns.—CHESHIRE.—Good-class Family Retail; many years in same hands; net profit £300; price £500, or nominal goodwill and valuation of stock and fixtures.

£830 returns.—SURREY.—General Light Retail, with good opening for either Optics or Dentistry; low rent on long lease; price £400

£1,400 returns.—SOUTH YORKS.—Good-class Retail, in prosperous market town; price £800.

We have cash Buyers for businesses from £500 to £5,000.

Valuations conducted upon the shortest notice at moderate fees.

PARSON C. BAKER

1 MOUNTFIELD ROAD, CHURCH END, FINCHLEY, N.

50 years' experience in every branch of business.

Recommended by— BRITISH DRUG HOUSES, LTD.
MEGGESON & CO., LTD.
BARCLAY & SON, LTD.

Tel. No. Finchley 812.

All correspondence should be addressed as above.

And at 174 VICTORIA ST., S.W., Ph C. Tel. No. Victoria 27.

IN centre of large South Coast winter resort; old-established, well-fitted, double-fronted Pharmacy; Dispensing and Retail; returns £1,700; good prices; 3,000 new scrips; house can be let off if desired; price £150 and valuation.

GOOD thoroughfare, Paddington; old-established Retail and Dispensing; 1,500 new scrips; returns yearly increasing, now considerably over £1,200; good Proprietaries; rent £80, reduced during war to £70; house can be readily let off; price £150 and valuation; vendor anticipates early enrolment.

CORNER site, leading thoroughfare, E.C. district; old-established Cash Retail; returns £1,200; rent £200; four floors, two rooms each, can be let off; shop well fitted and fully stocked; price £500.

HANDSOME Shop in good district, West London; 'bus route and near underground station; fully stocked and well fitted; returns over £1,000; house let off, three flats, to cover whole of rent, £100; vendor has other engagements and will accept £500, which is less than value of stock and fixtures.

All the above are open to fullest investigation.

THOS. TOMLINSON & SON

CHEMISTS' VALUERS, TRANSFER AGENTS, AND EXPERT STOCKTAKERS,

45a MARKET STREET, MANCHESTER.

Established over Half a Century.

Telegraphic Address: "Tomtom."

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

BERDOE & FISH

VALUERS & TRANSFER AGENTS,

35 Jewry Street, Fenchurch Street, City.

Telephone: 1809 Central.

NO CHARGE TO PURCHASERS.

1.—HOME COUNTY (35 Miles Out).—First-class Dispensing and Retail Business in most desirable town; returns £1,200; excellent profits; plenty of scope; good house, etc.; price £700, or £100 and valuation; personally recommended.

2.—YORKS (West Riding).—Middle-class Business in large Manufacturing town; returns over £1,000; net profit £350; very low rent; good premises, pleasantly situated; price £650, little more than valuation.

3.—LINCS (Market Town).—Light Family Retail Business, with own Specialities; returns about £1,350, increasing; large double-fronted shop, well fitted and stocked; low rent; price £900.

4.—CHESHIRE (Border of).—Light Retail, Dispensing, and Agricultural Business in small town; returns about £1,200; net profit £300; double-fronted shop, fully stocked; price £650.

5.—WILTS.—Unopposed Light Country Retail, with Mineral Waters; returns £1,200; net profit £300 clear; large house and garden; stock worth £650; price £700.

6.—NORFOLK.—Good-class Business, in large town; neglected; returns £800; plenty of scope; corner position; low rent; price £350; £100 can remain; strongly recommended.

7.—WEST MIDDLESEX.—Good-class Retail and Dispensing Business; returns over £1,100; net profit £400; fine position; low rent; well fitted and stocked; price £750; worth attention.

8.—LONDON, S.W. (Busy Main Road).—Good medium-class Retail, increasing; returns £1,500; low rent, fine corner shop; stock and fixtures worth £1,000; price £800; owner on active service.

9.—SURREY (Suburb).—Good-class Light Family Retail, pleasantly situated; returns £1,450; good profits; attractive Pharmacy, fully stocked; price £850, or valuation terms; books properly kept.

STOCKTAKINGS.

We undertake stocktaking on a very low scale of commission or an agreed fixed fee, and also price out Chemists' own stocktakings Please apply for our terms.

Businesses Wanted. Buyers Waiting.

BUSINESSES FOR DISPOSAL.

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**

LONDON, S.W.—Old-established Business, run on modern lines; up-to-date stock, mahogany fixtures, electric light and gas; lease 17 years to run; valuation of stock and fixtures £700; returns for 1914, £1,450; price £500, cash down or by arrangement. Apply, "Nil Desperandum" (47/51), Office of this Paper.

CHEMIST'S Store at large Military Camp (25,000), with Studio and Photographic department; Western County; doing good remunerative business; easy work and short hours. Apply, "Camp" (80/300), Office of this Paper.

FOR immediate Disposal, the goodwill, stock and fixtures of Mr. E. T. Ainley, Chemist and Druggist, Woolhall Street, Bury St. Edmunds, who is the proprietor of Floyd's well-known Veterinary preparations and packed goods, with or without the tenancy of the premises. Applications to Mr. Fredk. Messent, Ipswich.

GOOD chance to purchase well-established Cash Retail in well-known main market street, London, E.C.; increasing takings, averaging £14 weekly; net profit £5; under unqualified; qualified have done over £30; double shop, 8-roomed house; rent £60, rates £20; good working stock; owner leaving Retail; sacrificing for £220. 84/34, Office of this Paper.

GRAND opportunity for smart Chemist requiring prettily fitted, up-to-date Pharmacy near Pall Mall; considerably below value of stock and fixtures for immediate cash; sole reason for selling, lack of capital. Apply, H. C. Howard, c/o Drickett & Co., Ltd., 92 Jermyn Street, S.W.

OWING to death of proprietor and necessity of present owner to enlist, small Retail, Chiswick neighbourhood, to be Sold immediately; £150 or nearest cash offer; worth double; established 11 years, same proprietor; returns £10-£12 weekly, N.H.I. in addition; good profits; much scope. Full particulars, "Genuine" (82/18), Office of this Paper.

£55 or near offer for quick buyer; Country Drug Stores, Essex; rent and taxes 9s. weekly; large house, stable and garden; good chance for Agricultural trade and N.H.I.; only wants seeing; population 1,800; full particulars given. "Rhei" (81/5), Office of this Paper.

£120.—London, N.—Thickly populated; opening for N.H.I., Dentistry, and Optics; £60 cash accepted, and balance by instalments. Write, "A. M. P." (84/31), Office of this Paper.

DOVER.—Drug and Cattle Medicine Stores; main thoroughfare; established 1842; modern shop and fittings; splendid chance for unqualified lady or gentleman. For full particulars apply, A. White, Estate Agent and Valuer, 7 Folkestone Road, Dover.

LONDON, S.W.—Lock-up Pharmacy, chiefly Prescribing, doing under management £8; no Insurance, but scope for same; suit elderly man; rent 16s. inclusive; good stock and fittings; what offers? "Insurance" (80/21), Office of this Paper.

FOR SALE.

CASH Register (National) for Sale; in good condition; small machine; self-totalling. Write, "G. W.," 13 Windmill Street, Charlotte Street, W.

COMPLETE excellent Mahogany Fixtures of good-size Chemist's shop for Sale: Window-enclosures, Sink, Counter Drawers, Drugs, Scales, Bottles, Carboys, Cases, Weighing Machine; complete outfit; first reasonable offer secures. "Devon" (81/11), Office of this Paper.

FOR Immediate Sale.—Complete set of Chemists' Fittings, including Dispensing Screen, 7½ ft. long, 5-ft. Bent-glass Counter Case, Wall Cases, and Drawers; no reasonable offer refused. Hart & Co., 7 Sadler Gate, Derby.

50 each 32-oz. and 24-oz. white glass stock bottles; 8 each 40-oz. and 32-oz. blue ditto; 4 Show Bottles, cut-glass stoppers; 14 80-oz. blue wide-mouth Bottles; 120 white glass, wide and narrow mouth, with cut-glass stoppers, 4-oz. to 10-oz.; 1 case of Dental Forceps; 6 Dental Knives; quantity of assorted Bottles and Drawers; what offers? 157 Southwark Bridge Road, London, S.E.

ADDRESSES WANTED.

MANUFACTURER'S address of imitation Kiesow's Lebens Essence; sample at S. Maw, Son & Sons, Export Department, Aldersgate Street; quote price to "Colonist," care of above firm.

AGENCIES.

TO CHEMICAL BUYERS.

GENTLEMAN, shortly sailing for America, able to secure scarce chemicals there, now being manufactured from their derivatives, invites correspondence with buyers here. State quantities, also price limit. Apply, "Chemicals" (80/17), Office of this Paper.

CHINA.—British Merchant, with fine connections amongst native Druggists and Doctors, and successfully working his own Proprietary, desires Sole Agency for thoroughly first-class article suitable to this market, to push with his own. Replies to J. H. Richards, 81 Szechuen Road, Shanghai.

TENDERS.

PARISH OF ST. MARY, ISLINGTON.
CONTRACTS.

THE Guardians of the Poor of the Parish of St. Mary, Islington, invite Tenders for the supply of DRUGS and DRUGGISTS' SUNDRIES for a period of three months, commencing the 2nd day of January, 1916, to be delivered in such quantities as and when required at the St. John's Road and Cornwallis Road Institutions; Highgate Hill Infirmary; Schools, Hornsey Road; Receiving Homes, Hornsey Rise, N.; and the Outdoor Dispensaries in the Parish.

Sealed Tenders must be delivered at the undermentioned Offices on or before Tuesday, the 7th day of December, 1915, addressed to the Guardians, and endorsed "Tender for .....," and the Tenders will be opened at a meeting of the Guardians to be held on Thursday, the 9th day of December, 1915.

The Guardians do not bind themselves to accept the lowest or any Tender.

Printed forms of Tender (which alone will be received, and which contain conditions of contract) must be obtained from the Clerk personally, or a stamped addressed *brief-size* envelope may be sent.

No contract will be given to firms who do not ordinarily observe Trade Union rates and conditions.

By Order, EDWIN DAVEY, Clerk.

Guardians' Offices,
St. John's Road, Upper Holloway, London, N.,
22nd November, 1915.

SITUATIONS OPEN.

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**

This Blackboard demonstrates that Advertisers using these columns get a ready response to their announcements The figures only refer to some of the letters RECEIVED AT OUR OFFICE on behalf of Advertisers who use a number or nom de plume.

RETAIL.

BEACONSFIELD.—A lady Assistant or ineligible gentleman required for a Dispensing business; outdoors; hours 8.30 to 7.30, alternate evenings to 9; good experience essential. State height, salary required, and send full particulars to Mr. R. W. Brooke, Chemist, Beaconsfield.

BIRMINGHAM.—Assistant, unqualified; capable Salesman and Dispenser; good hours and salary. Full particulars in first letter to General Manager, Hedges (Chemists), Ltd., Dale End, Birmingham.

BIRMINGHAM.—Assistant wanted, Birmingham's oldest Pharmacy; Counter, Dispensing, Window-dressing; hours 8.30 to 7.30, Wednesdays 1 o'clock, Saturdays 10; no Sunday duty; please send photo. Apply, Bellamy & Wakefield, Pharmaceutical Chemists, 1 Easy Row, Birmingham.

CITY Office.—Vacancy occurs for well-educated young man (ineligible for Army), with good knowledge of the trade, to assist in Buying department; hours 9.30 to 6, 1 on Saturdays; commencing salary £80. Full particulars, 84/180, Office of this Paper.

COVENTRY.—Wanted, Assistant; Light Retail and Dispensing; outdoors; comfortable situation. Apply, with particulars as to age, salary required, and references, to Wilson, Pharmacist, Walsgrave Road, Coventry.

DURHAM COUNTY ASYLUM.—Wanted, a qualified lady Dispenser, and to assist with Clerical work; the appointment will be subject to the provisions of the Asylum Officers' Superannuation Act, 1909; salary £40 per annum, with board, lodging, and laundry. Applications, in writing, to be addressed, The Medical Superintendent, Winterton, Ferryhill.

EAST Lanes.—Qualified Manager required for Branch; Light Retail and N.H.I. Dispensing; easy hours; elderly not objected to. Apply, 81/18, Office of this Paper.

EASTERN Dispensary, Leman Street, E.—Dispenser wanted at once; candidates must attend on Wednesday, December 8, at 12.30 o'clock, with testimonials and diplomas. Further particulars can be obtained from the Secretary.

ERITH-ON-THAMES.—Assistant (outdoors) required in brisk Light Retail, Dispensing, and Prescribing business, preferably with knowledge of Photographic trade; reasonable hours. Apply, enclosing photo if possible, to Walter Reeson, M.P.S., 80 High Street, Erith, Kent.

EXETER (Indoors).—Junior Assistant wanted for good-class Dispensing and Counter work, also some knowledge of Photography. Apply, stating experience and references, to Wynne Tighe, Chemist, Exeter.

GLAMORGAN, South Wales.—Exceptional opening for energetic and reliable Welshman capable of taking entire management of Branch; must be qualified and about 40 years of age; good salary and a liberal interest in the profits offered to the right man. 79/182, Office of this Paper.

HORLEY, Surrey.—Assistant required for good-class Light Retail and Dispensing business; easy hours. Apply, with usual particulars, to A. B. Higgs, Pharmacist, Horley, Surrey.

HYTHE, Kent.—Assistant wanted soon; not over 50; outdoors; chiefly for Counter; also lady Assistant; good-class business; easy hours; no Sunday duty. State experience, age, salary required, and references, to H. Barnett, Chemist, Hythe, Kent.

LANCASHIRE.—City business; young lady Assistant for Toilet Counter; general Pharmacy experience preferred. Particulars of experience, salary required, and if possible photo to 40/86, Office of this Paper.

LLANELLY.—Qualified Chemist required; elderly man preferred; light work; permanency if suitable. Apply, with full particulars and salary required, Wade, Chemist, Llanelly.

LIVERPOOL.—Unqualified Assistant for City business; ineligible for military service; or qualified lady Pharmacist would be considered. State experience and salary required to 40/68, Office of this Paper.

LIVERPOOL.—Wanted, qualified man (ineligible for Army) or lady, to Manage Branch shop; easily worked; house if desired; also Improver. State terms, with three testimonials, "A. B.," c/o Ayrton & Graham, Duke Street, Liverpool.

LONDON HOMŒOPATHIC HOSPITAL, Great Ormond Street, Bloomsbury, W.C.—Applications (male or female) are invited for the post of Assistant to the Dispenser at this Hospital; candidates must possess the Minor qualification and have had previous experience in a Hospital Dispensary. Applications, stating salary required, with copies of not more than three testimonials of recent date, must be delivered to the Secretary on or before December 4. Edward A. Attwood, Secretary.

LONDON.—Qualified Assistant for West-End Dispensing business. 80/16, Office of this Paper.

LONDON (Suburb).—Competent Assistant, also a Junior; both outdoors; good-class Retail, Dispensing, and Photographic; salary offered an improvement of 5s. per week on last permanent berth. State usual particulars, salary expected, and when disengaged, 80/39, Office of this Paper.

LONDON, N.—Assistant; one whole day off weekly; hours of business 9 a.m. to 9 p.m., Friday 9.30, Saturday 10.30. Photo and full particulars, Long, 9 Broadway, Stamford Hill, N.

LONDON, N.—Assistant wanted for Counter; whole day off one week and half-day the next week alternately. State age, experience, references, salary required, and when disengaged, in first letter, or apply personally to Bishop & Vincent, 460 Holloway Road, London, N.

LONDON, N.—Wanted, unqualified Assistant (outdoors); either Whole- or Part-time; one not eligible for Army preferred. Apply, stating salary required, giving references and usual particulars, J. H. Frost, Pharmacist, 9 High Street, Hornsey, N.

LONDON, N.W.—Assistant wanted for Dispensing business; man or woman (man not eligible for military service); outdoors. Apply, with full particulars, P. Davidson, Ph. Chemist, 342 High Road, Brondesbury, N.W.

LONDON, S.W.—An Assistant wanted; well experienced in Dispensing. Apply to A. J. Phillips, 156 Cromwell Road, South Kensington, S.W.

LONDON, S.W.—Marshall & Co., 93 Streatham Hill, require the services of gentlemanly Assistant in good-class Retail, Dispensing, and Photographic business; outdoors; two kept. State age, experience, and salary required.

LONDON, S.W.—Messrs. Tupholme & Son have a vacancy for an Assistant who is ineligible for the Services; good-class Dispensing and Retail; indoors; four kept. Call, write, or 'phone, giving usual particulars, to 1 Colcherne Terrace, Earl's Court, S.W.

LONDON, S.W.—Unqualified Assistant; outdoors; ineligible for Army; used to quick Counter trade, N.H.I. Dispensing, and Photographic work; salary offered about £2 5s. weekly; comfortable berth. "F. G." (82/22), Office of this Paper.

LONDON (Maida Vale), W.—Required at once, an Assistant of good Dispensing experience. Apply to R. H. Parker, 35 Clifton Road, Maida Vale, W.

LONDON, W.—An Assistant, good experience as Dispenser; also a good Counter lad; outdoors. Apply, E. C. Evans, Chemist, Whiteley's, Westbourne Grove, W.

LONDON, W.—A Junior Assistant, either full or part time; outdoors. W. F. Pasmore, 320 Regent Street, W. (opposite the Polytechnic)

LONDON, W.—Assistant (Junior); unqualified; must be experienced in Dispensing; ineligible for Army; easy hours. Full particulars of experience, etc., to G. W. Gray, Pharmacist, 194 Holland Park Avenue, W.

LONDON, W.—Competent Assistant required, with previous Dispensing experience; outdoors. Particulars of previous engagements, age, height, salary expected, and when disengaged, to 82/12, Office of this Paper.

LONDON, W.—Wholesale and Retail.—Wanted immediately, unqualified Junior Assistant; hours 9 to 6, Saturdays 1 o'clock; no Sunday duty. Apply, personally or by letter, to Hospitals and General Contracts Co., Ltd., 27 Mortimer Street, W.

LONDON, W.C.—Assistant required at once for good-class Pharmacy and Dispensing business; outdoors; salary from £2 per week upwards. J. W. Roberts, 10 Tavistock Place, Russell Square, W.C.

MANCHESTER District.—Junior Assistant (outdoors) required for good-class Retail and Dispensing business; only military ineligibles need apply. Address usual particulars, with photo (if convenient), to T. & W. Woodruff, Chemists, Cheadle, Ches.

MIDLANDS.—Qualified Manager, age about 40, for progressive Cash business; married man preferred, though not essential; good salary and commission on profits offered. "Midland" (79/18), Office of this Paper.

SHREWSBURY.—Assistant; outdoors; easy hours; no Sunday duty. Apply, A. Williams, M.P.S., 23 Wyle Cop, Shrewsbury.

SOUTH OF ENGLAND.—Assistant required; experienced; permanency, with good salary. Timothy White Co., Ltd., Chemists, Portsmouth.

SOUTH WALES (Seaside Resort).—Wanted, qualified Manager, with knowledge of Photography and Optics, for Light Retail and Dispensing business. Enclose photograph and full particulars first letter. 82/27, Office of this Paper.

SOUTH WALES.—Wanted, immediately, reliable Assistant (not eligible for military service), or lady Dispenser and Bookkeeper; good salary to the right person; no Sunday duty; half-holiday Thursday; hours 9 to 8, Saturday 10.30. Please give full particulars first letter, age, experience, salary required, etc., to Francis, Chemist, New Tredegar.

SOUTHPORT.—Wanted, Junior Assistant; good-class Retail and Dispensing; outdoors. Full particulars, age, height, experience, salary required, photo, when disengaged, J. Righton, 515 Lord Street, Southport.

STEVENAGE, Herts.—An Assistant for good Country business; easy hours and good salary. Full particulars to F. Fresson, Pharmacy, Stevenage, Herts.

SWANSEA.—Assistant wanted for Light Retail, Dispensing, and Photographic business, for about six months; outdoors; time for study; ineligible for Army. State salary, references, etc., Wright & Son, 27 Walter Road, Swansea.

A JUNIOR Assistant or Part-time Assistant required at once; this vacancy will suit an elderly man requiring light duties. F. Vincent, Chemist, 215 Lower Addiscombe Road, Croydon.

AN Assistant wanted in first-class Retail and Dispensing business; qualified if possible, but not absolutely necessary. Apply to "A. W.," c/o Alsop & Quiller, 137 Sloane Street, S.W.

ASSISTANT: lady or gentleman; unqualified; outdoors; good at Counter and Dispensing, for quick Cash business; hours 8 to 8, Saturdays 10, Wednesday half-holiday; no Sunday duty. Please give particulars of experience, age, and salary required, good references essential, Cocker, Post Office Pharmacy, Dunstable Road, Luton, Beds.

ASSISTANT (outdoors) for brisk Retail and Dispensing. State age, salary required, and usual particulars; also good opening for Apprentice (outdoors); small salary given. Apply, Tabor & Cresswell, Pharmacists, 138 High Street, Kingsland, N.

ASSISTANT required for Dispensing Department. Apply, Drug Department, Junior Army and Navy Stores, 15 Regent Street, S.W.

ASSISTANT wanted for good-class business; outdoors; not eligible for military service. Apply, with full particulars, salary required, and photo, to E. Bing & Son, Pharmaceutical Chemists, Canterbury.

ASSISTANT wanted immediately. Apply, Geo. Daniel, Chemist, 272 High Road, Wood Green, London, N.

ASSISTANT wanted soon; must be quick and accurate Dispenser, accustomed to modern good-class Retail; ineligible for Army; comfortable berth (indoors or outdoors) could be arranged. Apply, with usual particulars, Nosworthy, West Kensington Drug Stores, 1 Baron's Court Road, West Kensington.

BOUTALLS, LTD., London, W.C., require qualified man as Branch Manager. Apply, by letter or personally, Boutalls, Ltd., 150 Southampton Row, W.C.

BRADLEY & BOURDAS, 48 Belgrave Road, S.W., require an Assistant; lady or gentleman. Particulars to Mr. Taylor.

BURROWS, Chemist, Gainsborough, Lincs., has vacancy for Junior or Improver.

DISPENSER (lady) wanted; qualified or Hall; one who has had experience with Chemist preferred. Full particulars, and photo (if possible), H. Reynolds, Pharmacist, Broadway, West Worthing.

DISPENSER wanted, lady preferred, for N.I. Dispensing, etc., in South Coast Pharmacy. State qualification (if any), salary required (outdoors), experience, etc., to 81/14, Office of this Paper.

EARLY in January.—Wanted, lady or gentleman (ineligible), for good-class Retail and Dispensing Country business; easy post; salary £40 to £50, progressive. Please state experience, reference, and enclose carte-de-visite (to be returned), "Pharmacist" (81/1), Office of this Paper.

GOOD unqualified Assistant required; outdoors; no Sunday or night duty; also lady Dispenser. Apply, Lewis & Burrows, Ltd., 146 Holborn Bars, E.C.

LADY Assistant, experienced at Counter work and Dispensing; salary 30s. per week; vacancy in Yorkshire (West Riding). "West" (79/181), Office of this Paper.

LADY Assistant for Dispensing required. Apply, F. P. Watson, Pharmaceutical Chemist, 6 Bailgate, Lincoln.

LADY Assistants (unqualified) for Counter work and Dispensing; no Sunday or night duty; live out. Applicants must state experience, age, and salary required to Martyn's Stores, Ltd., 26 Queen Street, Wolverhampton.

LOCUM or qualified Assistant wanted at once, for East Coast. Full particulars to Cave, 25 Russell Avenue, Bedford.

MANAGER required about December 28 for small market town; good-class Retail, Dispensing, and Photographic business; must be good Counterman and Prescriber, and understand the Agricultural side. Apply, with full particulars as to salary and experience, to Holme, Chemist, Wallingford, Berks. Applicants not answered in three days declined.

MANAGER required for Drug Store at Military Camp (Midlands); qualification not essential; would suit partially-disabled soldier or elderly man; salary and commission, which smart Salesman could largely increase. Apply, "J. W." (80/30), Office of this Paper.

MESSRS. TIMOTHY WHITE CO., LTD., Chemists, Portsmouth, require a capable Pharmacist as Manager; easy hours; good and progressive salary, with excellent prospects.

QUALIFIED Assistant, not eligible for military service, required at once for high-class Dispensing business. Apply, W. Hill, 205 Knightsbridge, S.W.

QUALIFIED Assistant, not over 50, required at once. Apply, Wardale & Co., 132 High Street North, East Ham, E.

QUALIFIED Assistant required as Checker in Drug Room; comfortable permanency. Timothy White Co., Ltd., Portsmouth.

QUALIFIED Assistant wanted (indoors) in high-class West-End business; age 23 to 40 years. State age, height, experience, salary required, and enclose photo, to "Chemist," 26 Davies Street, London, W.

QUALIFIED Assistant wanted (outdoors); Mixed trade. Apply, Davy's Exors., Bridgegate, Rotherham.

QUALIFIED Chemist; at once; West Riding, Yorkshire; easy work; man over military age not objected to if active; no Sunday duty. State salary and references, 81/21, Office of this Paper.

QUALIFIED Chemist for Manchester district wanted at once; easy work, suitable to elderly gentleman. Apply, "Combs," c/o John Quilliam & Co., Ltd., Canterbury Works, Manchester.

QUALIFIED Manager for Branch; good-class Dispensing; free house. Apply, with full particulars as to age, height, experience, references, salary required, and enclose photo, to George & Welch, Pharmaceutical Chemists, Worcester.

QUALIFIED Superintendent to take active part in management of small limited company doing good-class Family trade; country town near London; salary £3; hours light; Photographic knowledge essential. 79/13, Office of this Paper.

REGISTERED Chemist, Whole- or Part-time, required at once; also unqualified Assistant; both outdoors; ages no object. Particulars to "Senex" (81/4), Office of this Paper.

REQUIRED at once, willing and obliging Assistant for Country business (non-enlisting age), or lady. State salary, references, etc. (outdoors), W. Mousley, Chemist, Redditch.

SAVORY & MOORE require (immediately) a Pharmaceutical Laboratory hand. State age, experience, wages, etc., to Manager, 143 New Bond Street, W.

SECOND Assistant wanted in good-class business; opportunity for gaining all-round experience; hours easy; outdoors. Apply, with photo if possible, J. E. Hodgson, Pharmaceutical Chemist, Darlington.

SQUIRE & SONS, LTD., require immediately qualified Dispenser (male or female). Apply personally or by letter, stating experience and salary required, 413 Oxford Street, London, W.

UNQUALIFIED Assistant or Junior wanted at once; must be good all-round experienced, and bear good references; liberal salary. M. Matz, M.P.S., 5 Bury New Road, Manchester.

UNQUALIFIED Assistant; preferably ineligible for the Army; short hours; no Sunday work; high-class Dispensing and Counter work; in Store business. Apply, Cater, Stoffell & Fortt, Ltd., Bath.

UNQUALIFIED Assistant, with good all-round experience in Counter work, Dispensing, and Photographics, required for quick London business; elderly man not objected to if active. Apply, stating full particulars of experience and salary required, etc., to 78/39, Office of this Paper.

WANTED, a qualified Chemist to do Dispensing and give light Assistance. Apply, 316 Commercial Road, E.

WANTED, a qualified Managing Assistant for small Lancashire Manufacturing town; to live out; good Counterman and Window-dresser; used to Insurance Dispensing; must be steady and obliging. State age and salary required, 81/26, Office of this Paper.

WANTED, Assistant (outdoors); ineligible for military service. Apply, with reference, stating age and salary required, C. H. Kirton, Pharmaceutical Chemist, 53 Savile Street, Hull.

WANTED at once, Dispenser-Secretary. State age, experience, sending references, salary required (outdoors), Dr. Miller, Weymouth.

WANTED, experienced Assistant for the Retail and Dispensing Department. Apply, giving full particulars of age, experience, salary (indoors), and references, to Messrs. Brady & Martin, Ltd., 29 Mosley Street, Newcastle-on-Tyne.

WANTED, experienced man, accustomed to handling Sundries, Patents, to put up branch shop orders, etc.; good Stock-keeper essential; also girl for packing Specialities. Heppell & Co., 38 Chandos Street, Charing Cross, W.C.

WANTED, for a good-class Dispensing and Retail business, a competent Assistant; one with knowledge of Photography and Window-dressing preferred. Apply, giving particulars of experience, and state salary required, to T. J. Evans, Pharmaceutical Chemist, 9 Royal Parade, Golders Green, N.W.

WANTED, for progressive North London business, qualified Manager, with view to Purchase, Partnership, or otherwise, present proprietor being too occupied to give business proper attention; hours of business moderate; outdoor vacancy, or upper part of premises at the disposal of Manager; another Assistant kept. 81/29, Office of this Paper.

WANTED, Junior Assistant for good-class Dispensing business; good salary to suitable man. Please state when disengaged, salary required, etc., J. W. Feltwell, 91 Hammersmith Road, West Kensington, W.

WANTED, unqualified Assistant; outdoors. Farrants, Orpington.

YOUNG lady required, with Minor qualifications or Apothecaries' and knowledge of Bookkeeping, to assist in Chemist's shop near Oxford Street. State experience, age, wages, etc., 47/46, Office of this Paper.

WHOLESALE.

A VACANCY occurs in the Manufacturing Laboratory of a well-known London firm of Perfumers and Soap Makers for a lady Chemist; although a previous experience in similar work would be advantageous, it is not essential, and the advertisers will consider applications from ladies in whom a good Pharmaceutical and business training is combined with some degree of artistic originality. 84/26, Office of this Paper.

ASSISTANT for Laboratory.—Toilet Specialities and Packed Goods; must have had previous experience. Apply, with full particulars, 46/68, Office of this Paper.

ASSISTANT wanted in Analytical Laboratory of Manufacturing Druggists; Junior position, but applicant must have a thoroughly efficient knowledge of the fundamentals of Analysis. Usual particulars to 80/23, Office of this Paper.

ASSISTANT (male or female) to help in Manufacturing Department of Toilet Preparations; previous experience desirable; permanency for suitable applicant. Apply, by letter, to 76/17, Office of this Paper.

CITY Office.—Vacancy occurs for well-educated young man (ineligible for Army) with good knowledge of the trade, to assist in buying department; hours 9.30 to 6, 1.0 Saturdays; commencing salary £80. Full particulars, 84/181, Office of this Paper.

CLERK, used to Shipping and Invoicing, wanted by old-established Wholesale Export Druggists, South London; good opening. State experience, age, and salary required, to 47/39, Office of this Paper.

COUNTERMEN, experienced Wets and Dries; also Packers; good wages and permanency for suitable men. Apply, Evans Sons Lescher & Webb, Ltd., 60 Bartholomew Close.

EXPERIENCED girls required for a leading house of Wholesale Druggists in the City; good wages and a permanency to suitable girls. 45/68, Office of this Paper.

FOREWOMAN wanted, for Packing Drugs and light articles, where a number of girls are employed; must have had experience of this kind of work. State age, present and past situations, references, and wages required, Reade Brothers, Manufacturing Chemists, Wolverhampton.

GENTLEMAN, married, reliable worker, ineligible, active, 8½ years with present employer, seeks situation in Wholesale Drug house in London, Wet or Dry; 9½ years' Managing experience; accustomed controlling staff, checking and despatch; moderate salary. "Statim," 55 Lyal Road, Grove Road, Bow.

LADY Pharmacist wanted, to take charge of Manufacture of Galenicals and Proprietaries on small scale; distribution of stock and supervision of packers; short hours. Apply, Cofman's Pharmacy, 6 Bloomsbury Street, London, W.C.

LABORATORY Assistant required; one accustomed to the examination of Foods containing sugar preferred. Apply, stating experience, age, and salary required, 37/4, Office of this Paper.

LONDON House.—Wet-floor and Laboratory Assistants wanted at once; good and permanent positions; also Invoice Clerk and for Despatch. "Eupad" (82/5), Office of this Paper.

PERFUMERY and Druggists' Sundries.—Smart Traveller required; good selling lines; no objection to representing non-competitive house; interview by appointment. Apply, Williams & Co., 49 Lamb's Conduit Street, London, W.C.

SHIPPING Clerk required; must be over military age; fully conversant with Customs' Clearances, Applications for Licences, Insurances, etc. Apply, "H. J. K.," c/o Burgoyne, Burbidges & Co., East Ham, E.

TABLET Room.—Wanted, an experienced man accustomed to Sugar- and Chocolate-coating, Granulating, etc. Address, stating age and wages required, to "B." (46/71), Office of this Paper.

TABLETS (Compressed).—Smart man for Compression and Granulating, to take charge of department; also Junior Granulator. "Menthol" (44/68), Office of this Paper.

TRAVELLERS wanted, on commission, to carry a quick-selling Toilet article as side-line; both town and country. Apply, stating ground covered, etc., to G. J. Doel, 59 Hargrave Park, Highgate, N.

WANTED, for duration of war, Pharmacist who thoroughly understands the uses and Manufactures of Artificial Fertilisers, Cattle Foods, Veterinary Medicines, Insecticides, and other Horticultural Specialities; a good knowledge of Entomology essential. Apply, stating age, which must be over 40, to 78/35, Office of this Paper.

WANTED, Traveller for Cornwall and Devon; age 40 to 45; must be a good Salesman, Cyclist or Motor-cyclist; liberal salary to suitable man. 78/36, Office of this Paper.

WANTED, Works Chemist with good experience in the Manufacture of Toilet Articles and Chemists' Packed Specialities; all replies treated confidentially. 43/11, Office of this Paper.

WANTED, a Representative who already calls on Chemists to take orders for good selling lines; commission. Apply, 76/14, Office of this Paper.

WET-ROOM and Tincture-room hands wanted by provincial house. Please state full particulars of experience, wages required, and references, in first letter, 79/16, Office of this Paper.

£170 PER ANNUM.—Head of Invoicing Department in London Wholesale Druggists; only those with good experience in this line entertained; permanent and progressive post. Full particulars to 47/26, Office of this Paper.

SITUATIONS OPEN.

(Colonial, Indian and Foreign.)

3s. 6d. for **50** words or less; **6d.** for every **10** words or less beyond, prepaid. The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**

INDIA.—Junior Assistant required by old-established British house in Calcutta; Minor qualification; single; age under 27; 4 years' agreement; salary first year Rs. 275 monthly, rising yearly Rs. 25 per month; passage paid out and home. Apply, giving full particulars of qualifications, etc., to 80/24, Office of this Paper.

RIVIERA.—Qualified Assistant required, speaking French. Apply, in first instance, H. A. Green, S. Maw, Son & Sons, 7/12 Aldersgate Street, London, E.C.

PARTNERSHIPS.

A SPLENDID chance of Partnership offered to a young qualified Chemist; first-rate medium-class business in the West Riding of Yorks; applicant can have three months' trial at good wages; every investigation, and should the applicant care to Manage with view to Partnership when the war is over, the owner will deal liberally during the time he is managing; most easy terms to a reliable man; married preferred, and with Optical knowledge; owner will control only at week-ends. Full particulars in first letter, 78/30, Office of this Paper.

SITUATIONS WANTED.

1s. for 12 words or less; 6d. for every 10 words or less beyond, prepaid.

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**

[HOME.] RETAIL.

To Assistants of Military Age.

It has been suggested to us that Assistants of military age advertising for situations in this section should state definitely that they have been *rejected* by the Army authorities. The phrase "ineligible" is, it is contended, rather ambiguous, and likely to lead to complications in the future. Will advertisers to whom this applies kindly note?

ADVERTISER, qualified, middle-aged, desires position as Manager of a Drug Store (no Dispensing) in busy part in or near London, with view to succession or interest in it, or new premises where there is a good opening and modern house might be entertained. "Proprietaries" (84/23), Office of this Paper.

ASSISTANT (23) seeks permanency in good-class Pharmacy; Midlands preferred. 81/30, Office of this Paper.

ASSISTANT; 25; unqualified; disengaged shortly. Counter, Dispensing. "Assistant," Innes, Chemist, Hollingworth, near Manchester.

ASSISTANT; unqualified; permanency; experienced; good references. "H.," 40 Boscombe Road, Tooting Junction.

ASSISTANT; young; married; unqualified; Lancs or Yorks. 81/19, Office of this Paper.

BRANCH Manager or Locum; 45; qualified; experienced London and provinces. "Triamine" (84/33), Office of this Paper.

DISENGAGED; Assistant; good address, Counterman, thoroughly well up in Dispensing; 20 years' London experience, seeks engagement in City, West, or N.W.; highest references; interview at once by appointment. Smith, 2 Castellain Mansions, Maida Vale, W.

DRUG-STORES Management required by one experienced in all branches, with up-to-date knowledge of the public demands and discriminating requirements; resourceful, enterprising, and progressive; age 35; married; references. Richards, 28 Norfolk Road, Reading.

EVENING posts wanted; two lady Dispensers (Hall); experienced; City or S.E. and Forest Gate or E. districts; or Secretarial work. 84/27, Office of this Paper.

EVENINGS.—A young lady disengaged every evening; 7 years' experience in Dispensing and Counter-work. 78/24, Office of this Paper.

EVENINGS; Dispensing, Counter, Stock; experienced. "Dispenser," 115 Scott-Ellis Gardens, St. John's Wood.

EXPERIENCED woman Dispenser wants afternoon work; some evenings also; 1s. hour, or arrangement. "Statim," c/o "Dispenser," 17 Bartlett's Buildings, Holborn Circus.

FYLDE Coast or Preston.—New Year; Part-time; unqualified; competent; experienced; 28; ineligible Army; nominal salary; excellent references. 66/32, Office of this Paper.

LADY Dispenser desires post with Doctor; Hall qualification; Bookkeeping, Secretarial work. 81/27, Office of this Paper.

LADY Dispenser, Hall qualification, desires post with Doctor or Institution. 78/33, Office of this Paper.

LADY Dispenser desires post with Doctor or at Institution; Hall qualification; experience at Dispensary; good testimonials. "I. D.," 42 Dudley Road, Ilford.

LADY Dispenser, Hall qualification, desires post with Doctor. Chemist, or in Hospital; Reigate or Redhill districts preferred. Apply, Mrs. A. Kirkland, "Sandown," South Park, Reigate.

LADY Dispenser (qualified) requires appointment. State particulars, 7 Westbourne Park Road, W.

LADY Dispenser, recently qualified Apothecaries' Hall, desires engagement. Gladys Davis, 29 Dornton Road, Balham.

LADY Dispenser (young), Hall qualification, desires post with Doctor; London or suburbs preferred. Apply, "D.," 3 Ipswich Street, Stowmarket, Suffolk.

LADY Dispenser, young, unqualified, 3 years' experience, desires post; Doctor or Hospital; London, W., or S.W. preferred. 81/10, Office of this Paper.

LOCUM; 36; December and January; unqualified; disengaged December 2; experienced and very reliable; salary 42s. (outdoors). "Temporary," 27 Hawkwood Road, Boscombe, Bournemouth.

LOCUM; disengaged; good Dispenser, Prescriber, and Extractor. "F.," Denchurst, St. Briavels, Glos.

MANAGER; experienced; highest credentials; permanency view to succession. State salary, 81/34, Office of this Paper.

MANAGER or Assistant in good-class business; qualified; 40; competent, reliable. "London" (84/12), Office of this Paper.

MANAGER or Dispenser; excellent references; first-class experience in Dispensing and Retail. "Pharmacist," 50 Penard Road, Shepherd's Bush, W.

MANAGER; qualified; single, 33; ineligible; disengaged; Partnership or view to succession entertained. Cooper, 61 Coombe Road, Croydon.

MANAGER wants situation; up-to-date trading; experienced Buyer; used to controlling staff; Major qualification. Write, "Chemist," 116 Spring Street, Bury, Lancashire.

PHARMACIST; 23; ineligible Army; North of Scotland: London and country experience. "Methane" (79/3), Office of this Paper.

PHARMACIST, retired, would like to take situation; Half-time, or where easy hours could be arranged; first-class references. Particulars apply, "Pharmacist," 16 Walliscote Road South, Weston-super-Mare.

QUALIFIED.—As Dispenser to Hospital or firm doing Government work; 25 years' experience; London preferred. 80/22, Office of this Paper.

QUALIFIED (22), desires post, end of December; good experience; "Square" trained; N.H.I. Dispensing; abstainer; excellent references; Manchester district preferred. 76/35, Office of this Paper.

QUALIFIED; disengaged evenings, Saturdays, Sundays; experienced; competent. 80/31, Office of this Paper.

QUALIFIED (50), engaged in City, with unique experience in Retail, Wholesale, Manufacturing, and Shipping, would like to make profitable use of one or two spare hours daily. 84/21, Office of this Paper.

QUALIFIED.—Evening work from 6 p.m.; S.W. or W. district thoroughly experienced; over military age. "Iodine" (80/18), Office of this Paper.

QUALIFIED; experienced; middle-aged; outdoors. State terms, "Chemist," 68 Grove Lane, Camberwell.

QUALIFIED, 29, experienced, desires permanency; Senior or Manager; Midlands preferred. 81/24, Office of this Paper.

QUALIFIED; 24; London; Dispensing only; no night duty; outdoors; best offer. "George," 36 Atherfold Road, Clapham.

QUALIFIED (35), disengaged, seeks position in South; would introduce Optics; succession entertained. "G.," 5 Lynton Avenue, West Ealing.

QUALIFIED seeks situation; N.H.I. work preferred. Piper, Langley Mill, Notts.

QUALIFIED, 29, seeks engagement in Hospital or otherwise; N.H.I. Dispensing, etc. "Statim," 23 Lower Belgrave Street, S.W.

QUALIFIED, 31, single, shortly disengaged, desires responsible position in or near London; best West-End experience; excellent references and character. 78/15, Office of this Paper.

TEMPORARY engagement required; Locum; 33; first-class references; reliable; experienced; qualified; now disengaged. 81/31, Office of this Paper.

UNQUALIFIED Assistant; 20; country; near London preferred. Edge, 33 Kingswood Road, Chiswick.

UNQUALIFIED Assistant, married, 29, desires permanency; London preferred. G. A. Voizey, 9 Jameson Street, Notting Hill Gate, London, W.

UNQUALIFIED; Midlands preferred; Dispensing, N.H.I., Extractor; town and country experience. "Barium" (80/36), Office of this Paper.

YOUNG man desires post with Chemist as Improver; ineligible Army. State wages, 81/37, Office of this Paper.

WHOLESALE.

BIRMINGHAM and Midlands.—Representative, 12 years' sound connection leading buyers, open for one additional line New Year; commission; share expenses; Society guarantee. 79/2, Office of this Paper.

MANUFACTURING Chemist and Works Manager desires responsible position in good progressive firm; good organiser, keen buyer; special experience in the preparation of packed Proprietaries; accustomed to control staff in all departments; able to introduce good sound business. Apply, in first instance, to "Rex" (84/30), Office of this Paper.

PERFUMER (Manufacturing), with many years' practical experience in the manufacture of Perfumery and Toilet Articles, desires situation in England or abroad; can supply recipes; good references. 80/8, Office of this Paper.

QUALIFIED Laboratory Chemist; experienced home and abroad; control staff and despatch; free December 1; good references. "British" (81/17), Office of this Paper.

RESPONSIBLE berth required; married; 28; 12 years Drug trade, Wholesale, Export, Retail, and Travelling; capable organiser, accountant, and supervisor; permanent, progressive post only. 81/32, Office of this Paper.

TRAVELLER requires re-engagement; qualified Chemist with thorough experience of Drug and allied trades and of road; good selling record and references; disengaged. "Oleum" (81/33), Office of this Paper.

WAREHOUSEMAN or Foreman seeks permanent berth early in January; able to control staff, or could Manage Wholesale country branch; 20 years' good London experience; age 44; married; highest references. "Lint," 26 Noble Street, London, E.C.

SITUATIONS WANTED.

(Colonial, Indian and Foreign.)

1s. for **12** words or less; **6d.** for every **10** words beyond, prepaid. The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**

This heading is reserved for assistants seeking situations in the British Colonies, India, and Dependencies, or elsewhere abroad.

AUSTRALIA.—Chemist (36), smart appearance and business capabilities, is open to Represent a good house in Australia; commission and part expenses. Address, 84/20, Office of this Paper.

MISCELLANEOUS.

MCADAM & TUCKNISS, Sharedealers, Bank Chambers, Blackheath, S.E. Established 1898. Telephone, 81 Lee Green.
Shares for Sale (free of commission, subject).—100 Aplin Barratt 6 per cent. Preference, 20s. 4½d.; 10 Ordinary, 36s.; 50 St. Ivel Preference, 17s. 4½d.; 100 Peak Frean Preference, 19s. 4½d.; 50 Bryant & May 14 per cent. Preference, 44s. 5d.
Wanted (subject).—140 J. Crosfield Preference, 20s. 6d.; 150 Vi-Cocoa Preference, 6s.; 50 Idris "A" Preference, 2s. 9d.
Every effort made to effect business for Buyers and Sellers in all Stocks and Shares. Bankers, London County and Westminster.

SECOND-HAND Chemists' Fittings.—We have an exceptionally fine selection of these in all sizes; prices are right, and goods are in first-class condition; we shall be pleased to supply particulars and prices. Call or write, RUDDUCK & CO., 262 Old Street, London, E.C.

SHOPFITTINGS (SECOND-HAND).—12-ft. Mahogany and Plate-glass Serving Counter, £9 10s.; Mahogany and Plate-glass Perfumery Showcase and Desk, Mirror back and Plate-glass shelves, 58s.; 8-ft. Mahogany and Bent Plate-glass Counter-case, with Display and Serving Shelves, £6 17s. 6d.; 10-ft. handsome Piano Wall Showcase, great bargain, £21; quantities of other cheap lines. PHILIP JOSEPHS & SONS, LTD., 93 Old Street, London, E.C.

BEST cash price paid for all old Cameras, any make, also all old Photo goods, no matter how damaged; any kind you may have send them along; cash will be sent same day; no waiting; we buy all and return nothing. S. E. Hackett, 23 July Road, Liverpool, E.

ABOUT the CHRISTMAS TRADE.—Suggest your goods as sensible for "Xmas Presents" by means of gaily coloured "Xmas Present" Tickets and Posters, and secure a rich harvest of increased business; illustrated list No. 245, in colours, showing over 100 most attractive designs, free for asking. Dudley's, Ticket Specialists, Holloway, London.

McQUEEN'S A.B.C. System of Accounts; works out profit and loss account, balance sheet, etc., with guaranteed certainty; gives exactly what Surveyors of Taxes want, and is a remedy for over-assessment; practically automatic Bookkeeping; 12th edition. Particulars and testimonials free. McQueen & Co., Moat Road East, Leicester.

CHEMISTS' Fittings.—Silent Salesman, Glass Showcases of every description, Drugfittings, Dispensing-screens, Wall-cases, Glass-front Counters, Perfume-cases, Desks, Counter Drawers, Shelves, Mirrors, shop-soiled, second-hand, at lowest prices; don't decide till you get my estimate; you can't get better value; 30 years fitting Pharmacies. GEORGE COOK, The Chemists' Working Shopfitter, Catherine Street, City Road, London, E.C.

DECISIVE ACTION is essential if you wish to economise in your expenditure in Showcards.

SEND NOW and secure our **SPECIAL CLEARANCE LINES**

3, 12×9, Neatly Designed Cards for 2/8
12 Cards, 5½×3½ and 6×4, Various Tints, for 2/6
12 „ Shelf Slips, 12×1½ & 12×2 „ „ „ 3/4
} Carr. Paid Two prices limit each Card.

Special A[illegible] Line 2, 15×10, Designed Cards for 2/8 „ „

F. MERTE[illegible] & Co., 72 Marlborough Rd., HOLLOWAY, LONDON, N.

WAR WANTS EXCHANGE.

The object of this section is to facilitate the interchange of pharmaceutical products which are scarce at present owing to the War, and which the inquirers have failed to obtain through the customary business channels.

TERMS

Minimum charge (including registration fee) of **1/-** for six words or less; **2d.** per word beyond, prepaid. Inquiries are inserted with a registration number attached to each item, and replies will be communicated direct to the inquirers by the Information Department of "THE CHEMIST AND DRUGGIST."

WANTED.

Principals having any of the following articles to dispose of are requested to notify the fact by postcard or otherwise stating quantity and price to

THE WAR WANTS EXCHANGE,

"The Chemist and Druggist," 42 Cannon Street, London, E.C.

Adalin tablets and powder (enhanced prices given) (80/33)
Beta-eucaine hydrochlor. or lactate (78/34)
Chinosol soloids or tablets (81/31)
Bornyval or iso-bornyval capsules (12 boxes or less) (82/9)
Bromural tablets and powder (enhanced prices given) (80/33)

FOR DISPOSAL.

Bona-fide buyers of the following articles are requested to communicate their exact requirements promptly to us, and we shall place them in touch with sellers:—

Acid. salicyl. (Schering's), 1 lb. (84/9)
Aspirin, ½ lb. (47/40)
Bismuth. sal., 8 oz. (82/33)
Hydroquinone, 1 lb. (80/25)
Methyl salicylate, 6 lb. (66/39)
Phenacetin, ½ lb. (47/40)
Pot. permang., 56 lb. (81/28)
Phenazone, 1 lb. (80/25)
Quin. sulph., 25 oz. (80/25)
Quin. sulph., 100-oz. tin (Howards'), and 4 16-oz. (B. & W.'s) (84/9)
Quinine valerian., 4 oz. (82/55)
Sodii salicylas (B. & W.'s), 5 lb. (84/9)
Sodii salicyl., 1 lb. (47/40)

EXCHANGE COLUMN

One halfpenny per word with name and address. One penny per word if we register the address and attach a number.
No advertisement inserted for less than 6d.

FOR DISPOSAL.

DENTAL.

NINE plated dental forceps, as new, 5s. each; 1 improved dental hypodermic syringe, as new, 7s., approval; 1 old-fashioned dental chair, heavy, 30s. Baynard, Madeley, Salop.

DRUGS AND CHEMICALS.

WHAT offers? 5 oz. benzyl chlor., 4 oz. amyl nitrite. "R.," 2 Skipton Street, Southwark.

WHAT offers? guaiacol carbonate, original 1-lb. bottle, unopened (Allenbury's). Rose, Chemist, Jarrow.

1,000 antipyrine (Knorr) tablets, 5 grains, 25s.; 1½ lb. Turkey opium (Barron Harvey's), 20s. lb.; 5j. atropine sulphate, 13s. 83/36, Office of this Paper.

WHAT offers? chloralamid 1 oz., guaiacol carb. 4 oz., aspirin (Bayer) 1 oz., 5-gr. phenacetin tablets 10 oz., 5-gr. phenacetin compound tablets 5 oz., bismuth. salicyl. 8 oz., ext. hydrastis liq. (B. W. & Co.) 4 oz. Wood, Chemist, Reading.

OPTICAL AND PHOTOGRAPHIC.

TRIAL set, 66 lenses and frame, in case complete, 17s. 6d.; facial measurement set, 13 pairs complete in case, 17s. 6d.; all as new; approval; atropiua 3j., 15s. Baynard, Madeley, Salop.

PROPRIETARY ARTICLES.

BEST offer, 4½ doz. 7½d. Frog-in-throat. Denton, Harltepool.

MISCELLANEOUS.

10 lb. methyl. salicylic.; Propert's boot polishes, kid reviver. Samuel Lawrence, Oban.

CUSHION (second hand), 24 in. by 18 in.; retail 22s. 6d.; what offers? Holmes, New Maldcu.

HEATING the Pharmacy.—Clark's syphon gas-stove, single column, 33 in., 19s.; ditto, two column, copper, 39 in., 41s.; above are half cost, packed free on rail; good condition. Brisley, Bexhill.

SURPLUS stock of Chemicals, Drugs, Packed Goods, Sundries, etc. Samples, quantities, and prices to Delmas & Co., Burlington House, Hinckley Road, Nuncaton.

FOR sale, cheap, large vertical boiler with two steam boiling pans, capacity about 150 gallons; has been used for making Cresol disinfectant. C. Bayley, Chemist, Uppingham.

BEST offers.—52 6d. Armour's motorist soap-paste; 92 1d. dyes, in tubes, navy blue, etc.; 14 lb. gum juniper; 1 19-in. left Maw's French-pattern truss. Entwisle, 73 Kent Street, Barrow-in-Furness.

WHAT offers? 3½ gross 2-oz. green panel bottles, 3½ lb. gum. amber., 1¼ lb. gum. myrrh. elect., 4½ lb. gum. sem. lac., 5 lb. g. juniper., 10 oz. g. elemi, 10 oz. mace, ½ lb. g. copal., 20 lb. pot. bichromas. Starkey, Chemist, Iron-Bridge.

WANTED.

4s. 6d. Ferroleum, 2s. 3d. Zillon. Offers to Samuel Lawrence, Oban.

REGULIN tablets. State number and price, Milling-Johnson, Ltd., Chester.

TUBE-FILLING machine, state capacity; also closing machine. Stokes, Chemist, Bristol.

WANTED, "Chemist-Optician," in good condition. State price to Edkins, 30 Harbour Street, Ramsgate.

WANTED, 2-oz. and 4-oz. flat cough-mixture bottles. State quantity and price, 82/17, Office of this Paper.

CABINET vapour bath. State material of sides, price, Harries, 218 Heathfield Road, Handsworth, Birmingham.

OPTICAL books; Minor, Major, Chemists' books; send prepaid for valuation; cash offers per return. Gower, Bookseller, 41 Voltaire Road, Clapham, S.W.

OFFERS wanted of Garmer's "Rapid" sifters and mixers and Werner & Pfleiderer's dough mixers, in good condition. Prices, stating size, etc., to 40/67, Office of this Paper.

TIN boxes, 2-drm. and ½-oz.; plain or printed on. Send lowest price for quantities on hand with samples to Mr. Lardent, Chemist, 120 Tanner Street, Dockhead, London, S.E.

Printed for the Proprietors by SPOTTISWOODE & CO., LTD., New-street Square, and Published by the Proprietors at 42 Cannon

Five Seconds by the Watch

PHARMACISTS do well to be particular as to the character of the hypodermic tablets they sell. A tablet that dissolves promptly and thoroughly is essential. Mere disintegration will not suffice. Many hypodermic tablets "go to pieces" in water—fine, undissolved particles settling to the bottom. Such tablets are worthless in an emergency.

PARKE, DAVIS & Co.'s HYPODERMIC TABLETS

dissolve freely and fully, forming a clear solution, without residue. *Test one by the watch!* Drop the tablet into a syringe partly filled with lukewarm water. Shake vigorously. In five seconds (or less) it will have dissolved completely. *Try it!*

PARKE, DAVIS & Co.'s HYPODERMIC TABLETS

are made from *standardised drugs* only, by a process which ensures absolute accuracy of dosage and the exclusion of impurities and germ infection.

A selection from the list of PARKE, DAVIS & Co.'s Hypodermic Tablets.

Aconitine, gr. 1-120.
Adrenalin, gr. 1-65 and 1-200.
Adrenalin and Cocaine.
Adrenalin and Eucaine.
Apomorphine Hydrochloride, gr. 1-20 and 1-10.
Apomorphine and Strychnine.
Atropine (alkaloid), gr. 1-150 and 1-60.
Atropine Sulphate, gr. 1-200, 1-150, 1-120, 1-100, 1-60 and 1-50.
Atropine and Strychnine.
Beta-Eucaine Hydrochloride, gr. 1-4.
Caffeine, gr. 1-2.
Cocaine Hydrochloride, gr. 1-8, 1-6, 1-4 and 1-2.
Codeine, gr. 1-8.
Codeine Phosphate, gr. 1-4 and 1-2.
Colchicine, gr. 1-30.
Coniine Hydrobromide, gr. 1-8.
Corrosive Sublimate, gr. 1-100, 1-50 and 1-30.
Digitalin, gr. 1-100 and 1-10.
Digitalin and Strychnine.
Ergotinine Citrate, gr. 1-100.
Heroin Hydrochloride, gr. 1-24, 1-12 and 1-6.
Hyoscine Hydrobromide, gr. 1-200 and 1-100.
Hyoscine and Morphine.
Hyoscine Compound (*Hyoscine, Atropine and Morphine*).
Hyoscyamine, Pure, gr. 1-100 and 1-50.
Local Anæsthetic (Dental) (*Cocaine, Morphine and Atropine*).
Morphine Hydrochloride, gr, 1-8, 1-4 and 1-2.
Morphine Meconate, gr. 1-6, 1-4 and 1-3.
Morphine Sulphate, gr. 1-12, 1-8, 1-6, 1-5, 1-4, 1-3, 3-8 and 1-2
Morphine and Atropine (*fifteen different combinations*).
Morphine and Strychnine.
Morphine Tartrate, gr. 1-4.
Nitroglycerin, gr. 1-200 and 1-100.
Nitroglycerin, Digitalin and Strychnine.
Nitroglycerin and Strychnine.
Physostigmine Sulphate, gr. 1-100.
Picrotoxin, gr. 1-50.
Pilocarpine Hydrochloride, gr. 1-8, 1-6 and 1-3.
Pilocarpine Nitrate, gr. 1-4 and 1-3.
Quinine Acid Hydrochloride, gr. 5.
Quinine and Urea Hydrochloride, gr. 7-10 and 2.
Scopolamine Hydrobromide, gr. 1-100.
Scopolamine and Morphine.
Sodium Arsenate, gr. 1-10.
Sparteine Sulphate, gr. 1-30, 1-10 and 1-4.
Strychnine Nitrate, gr. 1-100, 1-60, 1-40 and 1-20.
Strychnine Sulphate, gr. 1-150, 1-100, 1-60, 1-50, 1-40, 1-32 and 1-30.

For formulæ of the compound tablets, also prices and packages, see price list.

PARKE, DAVIS & Co. LONDON, W.

TRENCH COMFORTS

FOR THE TROOPS.

HANDBILLS FREE.
SHOWCARDS FREE.

WATER STERILISING TABLETS.

Bottles of 50, Retail Price **1/-** ; per doz. **7/6** ; per gross **84/-**

HEELA-STIK. FOR CUTS, ABRASIONS, CHAPPED HANDS.

SOLIDIFIED GLYCERINE WITH PHENOL 5%.

A very convenient preparation of obvious utility. Specially useful for chapped and bleeding hands caused by constant exposure to wet and cold in trenches.

3/9 per doz. Retail price **6d.** per stick in glass tube.

IODINE AMPOULES.

Tincture of Iodine in small glass ampoule with swab in position. As supplied to the War Office.

Single Ampoule in metal case, retail **3d.** ; per doz. **2/-**
Tin box of 6 Ampoules, retail **1/3** ; per doz. **10/6**.

TRENCH POWDER.

For Vermin in the Trenches.

Price in Envelopes, retail **3½d.** ; per doz. **2/3** ; per gross **24/-**
This Package is suitable for sending by letter post.
Price in Tins, retail **9d.** ; per doz. **5/6**.
To send with parcels.

"FLYGO." SOLIDIFIED ANTI-FLY LOTION.

Resembles a stick of Solidified Eau de Cologne ; equally pleasant in use. Most efficacious. A great improvement on the greasy and sticky flycreams. The flies are still the curse of existence in the Anzac trenches.

Retail **6d.** per stick ; **3/9** per doz. ; **42/-** per gross.

COLONICE. SOLIDIFIED EAU DE COLOGNE.

Is having a big sale, especially as gifts for the wounded in Hospitals.
Price in glass tube, retail **6d.** ; **3/9** per doz. ; **42/-** per gross.

SUM-EESE OR PAIN-RELIEVING BALM.

The well-known Analgesic Balsam in a novel form. Excellent in Rheumatism, Neuralgia, Headache.
Retail **6d.** per stick in glass tube ; per doz. **3/9** ; **42/-** per gross.

The Standard Tablet & Pill Co. LIMITED
HOVE, ENG.

Printed for the Proprietors by SPOTTISWOODE & CO., LTD., New-street Square, E.C.; and Published by the Proprietors at 42 Cannon Street, in the City of London.—*November 27, 1915.*